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ABSTRACT

This report compiles unit cost and wage rate information for fiscal year 1969-70 on maintenance and operation of physical plants of universities and colleges. Data are divided into unit costs per gross feet and wage rate survey. Each section is grouped by region, enrollment, and by top level of academic program. The appendix includes questionnaire forms and adopted standards.  
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COMPARATIVE UNIT COST AND WAGE RATE REPORT ON  
MAINTENANCE AND OPERATION OF PHYSICAL  
PLANTS OF UNIVERSITIES AND COLLEGES

- 1971 -

## PURPOSE

The primary purpose of this report is to compile unit cost and wage rate information for fiscal year 1969-1970 and present it in a useful form to APPA members.

The grouping of information in this report is made in such a manner as to allow APPA members to easily extract information and make analysis as they deem beneficial to their individual institutions.

### PLEASE NOTE:

The APPA Board of Directors, after reviewing the report requested that all parties be advised that the terms and definitions used herein do not necessarily imply a mode of operation or organizational structure; nor is the data to be used for budget purposes without careful analysis. Cost effecting factors vary drastically between reporting institutions, and it is extremely important that climate, location, methods, procedures, programs, policies and other operating conditions be considered along with data in this report.

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## INTRODUCTION

The Committee is very pleased with the response to the 1971 questionnaire. 150 returns were received out of a possible 560 and only 7 of these were not useable. In comparison to 1965 this is a 48% increase in the total number of returns and a 60% increase in the number of useable questionnaires. All schools reporting were given a school identification number. Those schools which reported in 1965 were assigned the same identification number for this year's report.

The useable returns were broken down as follows:

STUDENT ENROLLMENT (F.T.E.)						
	0- 3000	3000- 6000	6000- 10000	10000- 16000	16000- 22000	22000+
NUMBER	44	25	27	20	15	11
PERCENT OF TOTAL RETURNS	31	17	19	14	10	8

From the answers to the questionnaire and the comments received it would seem that some of the schools might not have reported because of difficulty in either understanding the various categories or obtaining the figures for the requested breakdowns. The excellent return on this survey, however, would indicate that the 1965 survey is bringing dividends through more uniformity of procedures and record keeping, and increased interest, as members become aware that help and information can be obtained. Questions regarding definitions on any of the categories in the unit cost section of this report can be answered by reference to the definitions in the Adopted Standards Section of the APPA Reference Manual (adopted May 1970). A copy of this is included in the Appendix of this report.

An attempt was made to use all possible returns regardless of the completeness of the data. There were some returns that indicated a willingness to have their names published but requested that they not be identified on the salary survey. These schools were, therefore, identified by number only.

It is the objective of APPA, through the implementation of this survey to promote comparisons and to encourage the exchange of information regarding methods, procedures, and policies. This will promote the optimization of results in administration, care, operation, planning and development of physical plant in colleges and universities.

Once again we wish to express our appreciation of the effort the members of APPA expended to produce the information used in this report.

## APPA STANDARDS COMMITTEE

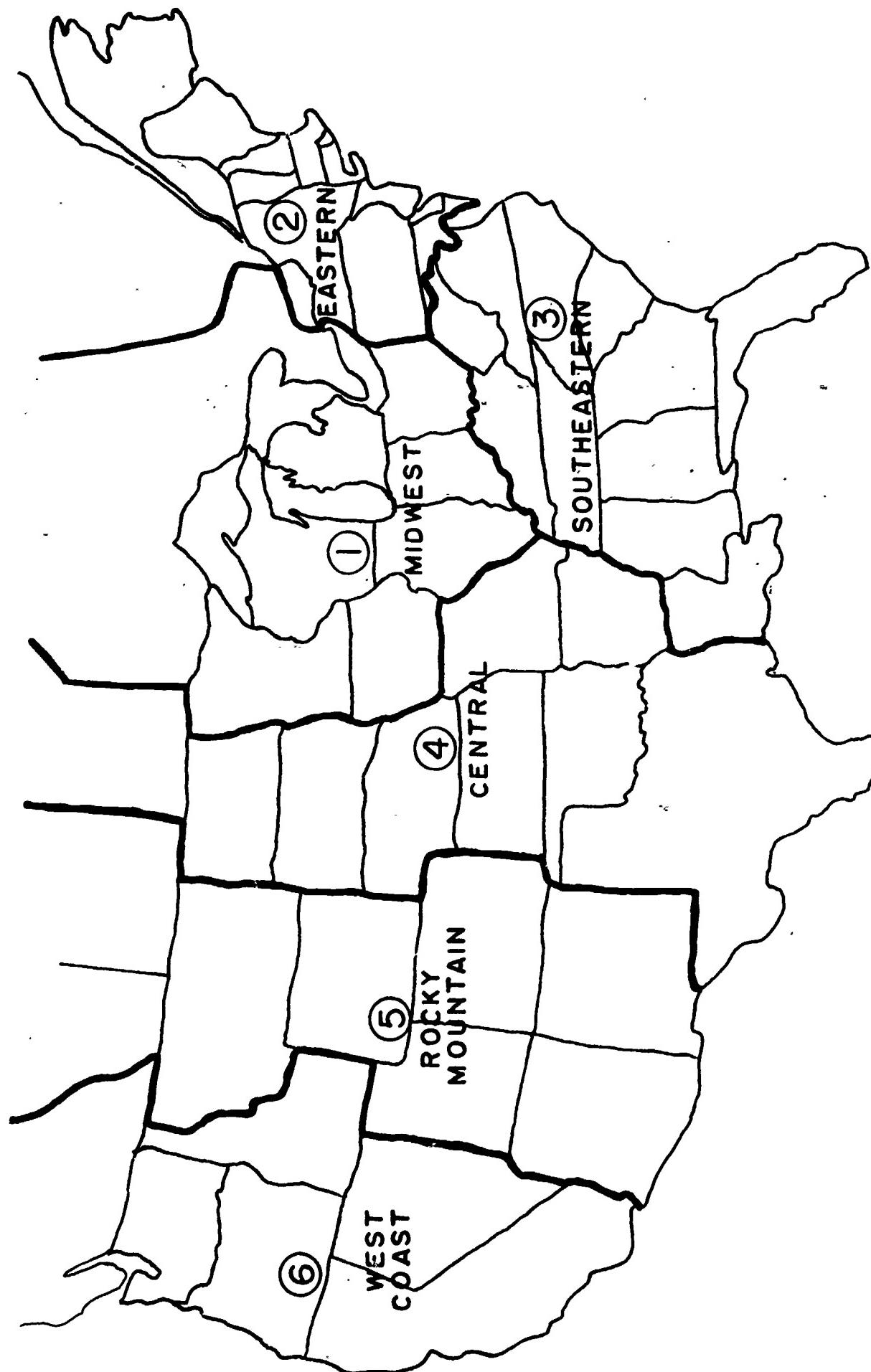
Henry Barbatti University of Iowa	Gene Cross University of Utah
Raymond Halbert University of Missouri	Ted Simon, Chairman Michigan State University

NUMBER	REGION	REPORTED IN 1965	UNIVERSITY NAME AND CITY
1	2		Castleton State College (Castleton)
2	2		Vermont Technical College (Randolph Center)
3	2		
4	2		University of Maryland-College Park (College Park)
5	6	*	University of California, San Diego (LaJolla)
6	3		University of Virginia (Charlottesville)
7	2		Drexel University (Philadelphia)
8	2		George Washington University (Washington, D.C.)
9	2		Queens University at Kingston (Kingston)
10	2		
11	6		University of California, Santa Barbara (Santa Barbara)
12	1		Triton College (River Grove)
13	6	*	University of Redlands (Redlands)
14	4	*	Northern State College (Aberdeen)
15	2		Hudson Valley Community College (Troy)
16	1		William Rainey Harper College (Palatine)
17	2		
18	1		Monmouth College (Monmouth)
19	1		Purdue University - N. Central Regional Campus (Westville)
20	3	*	Wake Forest University (Winston-Salem)
21	1	*	University of Windsor (Windsor)
22	4	*	Washburn University of Topeka (Topeka)
23	4	*	Pan American College (Edinburg)
24	5		Eastern Montana College (Billings)
25	3		
26	3		
27	2	*	
28	6		California State College (Hayward)
29	3	*	University of South Florida (Tampa)
30	6		University of California - Irvine (Irvine)
31	6		University of California (Santa Cruz)
32	6		University of Victoria (Victoria)
33	6		University of Alaska (College)
34	6		Western Washington State College (Bellingham)
35	6	*	
36	4	*	Wichita State University (Wichita)
37	2		
38	6		
39	4		University of Missouri - Rolla (Rolla)
40	2		
41	4	*	Southern Methodist University (Dallas)
42	2		University of Maryland Baltimore County (Catonsville)
43	2		Howard University (Washington, D.C.)
44	3	*	Tulane University (New Orleans)
45	1	*	

NUMBER	REGION	REPORTED IN 1965	UNIVERSITY NAME AND CITY
46	2		
47	2		
48	2		CUNY - Queens College (Flushing)
49	3	*	North Carolina State University (Raleigh)
50	4	*	Texas A & M University (College Station)
51	2	*	
52	6	*	San Fernando Valley State College (Northridge)
53	2		Ursinus College (Collegeville)
54	2		
55	1	*	Ball State University (Muncie)
56	6	*	Washington State University (Pullman)
57	6	*	University of Alberta (Edmonton)
58	2		Clarkson College of Technology (Potsdam)
59	6	*	
60	2		Albright College (Reading)
61	2		Maryknoll Seminary (Maryknoll)
62	2		Smith College (Northampton)
63	2		Gallaudet College (Washington, D.C.)
64	2		Hampton Institute (Hampton)
65	4	*	University of Houston (Houston)
66	2		Bennett College (Millbrook)
67	2		Andover Newton Theological School (Newton Centre)
68	2		Radcliffe College (Cambridge)
69	1	*	University of Iowa (Iowa City)
70	2		State University College (Oswego)
71	2	*	
72	5	*	University of Utah (Salt Lake City)
73	2		Catonsville Community College (Catonsville)
74	2		
75	2		State University College (Potsdam)
76	1	*	Wayne State University (Detroit)
77	4	*	University of Missouri (Columbia)
78	1	*	Indiana University (Bloomington)
79	6	*	
80	2		
81	1		
82	1	*	Michigan State University (East Lansing)
83	3	*	West Virginia Wesleyan College (Buckhannon)
84	2	*	
85	5		New Mexico State University (Las Cruces)
86	1	*	Oakland University (Rochester)
87	2	*	
88	5		Northern Arizona University (Flagstaff)
89	5		Western State College (Gunnison)
90	5		Colorado School of Mines (Golden)
91	5		Eastern New Mexico University (Portales)
92	5		Southern Colorado State College
93	3		Auburn University (Auburn)
94	3		University of North Carolina (Wilmington)

NUMBER	REGION	REPORTED IN 1965	UNIVERSITY NAME AND CITY
95	3		Virginia Commonwealth University, Health Sciences Division, Medical College of Virginia (Richmond)
96	3		University of Southern Mississippi (Hattiesburg)
97	3		Barry College (Miami)
98	3		Florida Presbyterian College (St Petersburg)
99	3		University of Kentucky (Lexington)
100	3		University of Florida (Gainesville)
101	3		Broward Community College (Ft. Lauderdale)
102	2		
103	5		
104	5		University of Calgary (Calgary)
105	2		Universite De Moncton (Moncton)
106	2		
107	2		Ecole Polytechnique (Montreal)
108	2		Universite De Montreal (Montreal)
109	2		
110	1		Iowa State University (Ames)
111	1		
112	1		
113	1		
114	1		Western Michigan University (Kalamazoo)
115	1		
116	1		
117	1		
118	1		Bowling Green University (Bowling Green)
119	1		Central Michigan University (Mt. Pleasant)
120	1		University of Akron (Akron)
121	1		University of Michigan (Ann Arbor)
122	1		Southern Illinois University (Edwardsville)
123	1		Grinnell College (Grinnell)
124	1		
125	1		
126	1		Graceland College (Lamone)
127	1		Wisconsin State University (Whitewater)
128	1		Southern Illinois University (Carbondale)
129	4		University of Texas (El Paso)
130	4		Kansas State Teachers College (Emporia)
131	4		University of Missouri (Kansas City)
132	4		South Dakota State University (Brookings)
133	4		Washington University School of Medicine (St. Louis)
134	4		Rice University (Houston)
135	4		University of Texas Medical School (San Antonio)
136	1		
137	1		Furman University (Greenville)
138	2		Alfred University (Alfred)
139	2		
140	3		
141	1		Spring Arbor College (Spring Arbor)
142	2		
143	3		

## APPA REGIONS



**UNIT COSTS - MIDWEST REGION  
(SQUARE FEET IN THOUSANDS)**

ENROLL SCHOOL F.T.E. NUMBER	ADMINI- STRATION ( #1 )	BUILDING MAINTENANCE ( #2 )	CUSTODIAL ( #3 )	SAFETY & EMPLOYEE TRAINING ( #4 )	UTILITIES ( #5 )	LANDSCAPE & GROUNDS ( #6 )	TRAFFIC & SECURITY ( #8 )	GENERAL SERVICES ( #9 )	MAJOR REPAIRS ( #7 )	LEVEL OF ACADEMIC PROGRAM			CAMPUS AREA ACRES ACRES
										2 YR	4 YR	GRAD MED	
										SQ FT	SQ FT	SQ FT	
875	19	.111	.112	.364	.94	.604	INCL. IN #8	.111	.627	.111	.221	INCL. IN #2	216
1265	18	.493	.096	.493	.441	.493	.328	.493	.445	.493	.037	.493	40
1592	124	.073	.223	.188	.191	.223	.191	.223	.237	.223	.009	.223	18
3854	16												12
4000	12												200
5223	86	1205	.071	1205	.147	620	.391	1205	.435	1205	.097		120
6420	21	1344	.086	1344	.336	1401	.750	1452	.374	1404	.117		86
8579	45	6838	.020	5742	.323	3645	.383	6838	.287	1404	.088		11
9275	127	689	.060	689	.290	689	.370	689	.020	689	.046		400
9767	122	1264	.049	1264	.200	1264	.649	1264	.028	1264	.375		32
9804	115	875	.119	875	.473	875	.677	875	.043	875	.062		12
11112	116	1313	.042	1313	.123	1313	.361	1313	.1313	1313	.117		10
12778	120	1767	.040	1767	.390	1767	.300	1767	.280	1767	.030		75
12883	119	1198	.105	1198	.398	1198	.378	1198	.006	1198	.164		70
14972	118	3633	.015	3633	.347	3633	.268	3633	.247	17371	.198		30
15910	55	4168	.722	1734	.182	1734	.302	4168	.242	4168	.061		13
17000	111	44	.255	1854	.200	1854	.500	1854	.217	2178	.052		13
19266	112	1987	.065	1987	.353	1987	.423	1987	.447	1987	.092		12
19372	110	3623	.130	3623	.330	3623	.240	6741	.010	5848	.060		11
19502	69	3803	.018	3803	.236	3803	.378	3803	.020	3803	.370		8
21295	114	5248	.029	5248	.169	2335	.311	5248	.008	5248	.080		7
22548	128	2959	.062	2959	.382	2959	.410	2959	.040	2959	.368		5
25548	76	4482	.044	4036	.330	4036	.489	4036	.409	4482	.068		4
25582	113	4589	.109	4589	.247	4589	.350	10914	.026	9499	.278		3
29428	78	10917	.053	5777	.152	5091	.306	10980	.012	10931	.277		2
32677	121	7239	.041	7239	.315	7217	.330	11633	.307	10587	.050		1
36826	81	7618	.050	7618	.339	7618	.347	7618	.057	7618	.084		0
39592	82		.028	6623	.240	6623	.274	15247	.020	13196	.259		0
										15247	.055		0
										15247	.044		0
										15247	.065		0
										15247	.044		0
										15247	.065		0
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										15247	.044		0
										15247	.065		0
										15247	.044		0
										152			

**UNIT COSTS - EASTERN REGION  
(SQUARE FEET IN THOUSANDS)**

**UNIT COSTS - SOUTHEASTERN REGION**  
(SQUARE FEET IN THOUSANDS)

ENROLL SCHOOL F.T.E. NUMBER	ADMINI- STRATION ( #1 )	BUILDING MAINTENANCE ( #2 )	CUSTODIAL ( #3 )	SAFETY & EMPLOYEE TRAINING ( #4 )				UTILITIES ( #5 )	LANDSCAPE & GROUNDS ( #6 )	TRAFFIC & SECURITY ( #8 )	GENERAL SERVICES ( #9 )	MAJOR REPAIRS	LEVEL OF ACADEMIC PROGRAM 2 YR 4 YR GRAD MED	CAMPUS AREA INTEN. ACRES	
				SQ FT	SQ FT	SQ FT	SQ FT								
222	25	.09	.010	109	.150	.109	.340	.453	.400	.453	.090	.110	.090	X	500
952	426	.070	.453	.240	.453	.260	.453	.327	.230	.327	.090	.327	.030	X	30
1267	98	.327	.030	.327	.120	.327	.290	.327	.230	.327	.090	.327	.030	X	280
1600	94	.2390	.060	.2390	.580	.925	.390	.2390	.370	.1524	.430	.61500	X	X	120
1754	95	.83	.049	.441	.254	.441	.179	.441	.033	.441	.225	.441	.066	X	663
1817	137	.441	.049	.441	.1320	.253	.1250	.1320	.001	.1320	.181	.1320	.097	X	78
3147	20	.1320	.025	.1320	.253	.1250	.234	.1320	.001	.1320	.181	.1320	.097	X	35
7241	44	.1262	.106	.1262	.176	.1262	.272	.1262	.355	.1262	.074	.1262	.074	X	35
7400	96	.1999	.095	.1999	.137	.1912	.224	.1954	.015	.1999	.080	.1999	.046	X	45
9800	6	.2449	.039	.2449	.121	.2449	.255	.2449	.162	.2449	.057	.2449	.057	X	45
11567	49	.4730	.070	.3118	.200	.4429	.220	.4730	.210	.4730	.040	.4730	.040	X	45
14525	93	.4153	.029	.2041	.177	.2041	.242	.4153	.009	.2041	.278	.4153	.038	X	45
14913	99	.3851	.060	.3851	.310	.3749	.320	.3863	.410	.3851	.080	.3851	.050	X	45
15635	29	.2259	.080	.1572	.280	.1572	.280	.2259	.260	.2259	.130	.2259	.070	X	45
15813	26	.5790	.088	.3777	.252	.3777	.328	.5790	.052	.3777	.216	.5790	.087	X	45
20741	100	.3728	.058	.3728	.252	.3728	.286	.7473	.007	.7823	.115	.7473	.054	X	45
															700

**UNIT COSTS - CENTRAL REGION  
(SQUARE FEET IN THOUSANDS)**



**UNIT COSTS - WEST COAST REGION**  
 (SQUARE FEET IN THOUSANDS)

ENROLL F.T.E.	SCHOOL NUMBER	ADMINI- STRATION ( #1 )	BUILDING MAINTENANCE ( #2 )	CUSTODIAL ( #3 )	SAFETY & EMPLOYEE TRAINING ( #4 )						UTILITIES ( #5 )	LANDSCAPE \$ GROUNDS ( #6 )	TRAFFIC & SECURITY ( #8 )	GENERAL SERVICES ( #9 )	MAJOR REPAIRS ( #7 )	LEVEL OF ACADEMIC PROGRAM 2 4 YR YR GRAD MED	CAMPUS AREA INTEN. GROSS MAINT. ACRES ACRES
					SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT							
					SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT							
1080	31	1193	.068	.739	.213	709	.278	1193	.031	1193	.235	890	.143	1193	.013	21000	X X X X
1866	13	487	.026	.487	.195	428	.224	INCL. IN #2	.437	.185	.188	487	.015	30000	X X X X	2005	60
2500	33	1199	.130	1199	.800	1091	.490	1199	.930	1199	.320	1098	.040	1098	.069	800	100
4409	30	1098	.082	1098	.258	1067	.292	1098	.037	1098	.414	1098	.244	2312	.014	8819	1501
5296	5	2312	.079	2312	.215	2312	.274	2312	.445	2312	.445	2312	.014	2312	.014	2035	238
5590	32	962	.068	962	.272	962	.377	962	.208	962	.011	962	.063	138600	X X X X	370	110
6745	38	790	.122	790	.202	774	.308	790	.145	790	.300	790	.085	790	.041	199872	X X X X
8500	34	904	.093	904	.261	904	.224	904	.189	904	.189	904	.154	904	.018	221	60
11070	28	728	.130	728	.470	728	.530	728	.270	728	.331	728	.147	728	.009	34000	X X X X
12500	59	3429	.080	3429	.170	3429	.335	3429	.3429	3429	.331	3429	.147	3429	.009	161762	X X X X
12591	35	3760	.069	3760	.345	2963	.362	3760	.052	3760	.330	3760	.150	3760	.083	8800	600
13150	56	5787	.040	3487	.276	2711	.259	5787	.018	5370	.193	5385	.057	5787	.027	3776	898
13733	11	2132	.056	2132	.221	2132	.286	2132	.415	2132	.144	2132	.051	5151	.015	1658	307
17340	57	4894	.075	4894	.166	4894	.460	4894	.4894	4894	.244	4894	.057	4894	.014	419	43
18500	52	6588	.033	6588	.183	6588	.280	1400	.001	1400	.223	1400	.002	6588	.028	149	55
29500	79	6588														350	250
																304	211

**UNIT COSTS - 0-3000 F.T.E.**  
**(SQUARE FEET IN THOUSANDS)**

ENROLL. F.T.E.	SCHOOL NUMBER	ADMINI- STRATION (#1)	BUILDING MAINTENANCE (#2)	CUSTODIAL (\$ PER SQ FT)	SAFETY & EMPLOYEE TRAINING (#4)	UTILITIES (#5)	LANDSCAPE & GROUNDS (#6)	TRAFFIC & SECURITY (#8)	GENERAL SERVICES (#9)	MAJOR REPAIRS (#7)	LEVEL OF ACADEMIC PROGRAM			CAMPUS AREA ACRES	
											INTEN. ACRES				
											2 YR	4 YR	GRAD MED		
222	25	435	.118	.435	.277	.435	.005	.435	.117	.435	.030	.049	.26783	500	
282	135	202	.098	.202	.266	.148	.005	.148	.021	.148	.007	.202	.049	30· 35	
388	67	1172	.069	1172	.482	.422	.954	.1172	.662	.1172	.127	.041	.1000000	85	
500	133	160	.120	.160	.260	.139	.350	.308	.010	.160	.310	.030	.750000	25	
560	2	17	111	.112	.111	.364	.94	.604	INCL. IN #8	.138	.1040	.1349	.016	.38000	25
729	19	1873	.164	1873	.724	.1139	.746	.1873	.016	.426	.79	.139	.1873	37	
875	910	80	.426	.070	.453	.240	.453	.260	.453	.400	.453	.110	.453	216	
952	98	800	.225	.800	.138	.760	.309	INCL. IN #8	.800	.218	.800	.116	.800	35	
983	63	250	.080	.250	.200	.250	.350	.250	.250	.300	.250	.030	.250	2005	
1030	1	1193	.068	.739	.213	.709	.278	.1193	.031	.1193	.235	.890	.143	60	
1080	31	53	.577	.310	.577	.310	.577	.280	.577	.280	.577	.280	.577	120	
1100	84	1294	.040	.642	.181	.585	.240	INCL. IN #8	.607	.169	.1294	.102	.1294	80	
1130	84	813	.172	.813	.360	.813	.574	.813	.232	.813	.167	.813	.184	200	
1200	62	47	500	.080	.500	.324	.500	.433	.500	.300	.500	.156	.500	27	
1200	47	1265	.096	.493	.441	.493	.328	.493	.005	.493	.445	.493	.037	27	
1267	94	327	.030	.327	.120	.327	.290	.327	.327	.230	.327	.090	.327	78	
1301	60	476	.050	.476	.160	.476	.300	.476	.002	.476	.150	.653	.080	15	
1568	3	428	.050	.428	.180	.428	.300	.428	.002	.428	.260	.428	.100	100	
1584	105	802	.082	.445	.312	.445	.238	INCL. IN #8	.445	.138	.825	.020	.445	19	
1592	124	223	.073	.223	.188	.223	.191	.223	.223	.237	.223	.066	.223	18	
16CJ	95	2390	.060	.2390	.580	.925	.390	.2390	.390	.370	.1524	.430	.031	35	
1754	83	604	.113	INCL. IN #3	.604	.783	.441	.033	.604	.301	.604	.116	.604	45	
1812	90	441	.049	.441	.254	.441	.179	.441	.033	.441	.225	.441	.066	97	
1817	137	487	.026	.487	.195	.428	.224	INCL. IN #2	.437	.185	.487	.188	.487	410	
1866	13	494	.075	.494	.264	.494	.345	.494	.425	.494	.152	.494	.089	65	
2000	107	329	.274	.329	.479	.329	.616	.329	.009	.329	.131	.329	.149	130	
2117	42	568	.171	.568	.234	.568	.303	.568	.322	.568	.150	.568	.132	206	
2148	37	2329	.035	.2329	.196	.2389	.281	.2329	.003	.2329	.218	.2389	.058	172	
2458	62	1199	.130	1199	.800	1091	.490	1199	.930	1199	.320	.1199	.040	800	
2500	33	969	.030	.969	.260	.832	.350	INCL. IN #8	.969	.370	.969	.150	.969	201	
2629	64	1025	.033	.1025	.255	.975	.265	.1025	.002	.1025	.357	.1025	.116	150	
2700	58													670	

**UNIT COSTS - 3000-6000 F.T.E.  
(SQUARE FEET IN THOUSANDS)**

UNIT COSTS - 6000-10000 F.T.E.  
(SQUARE FEET IN THOUSANDS)

ENROLL F.T.E.	SCHOOL NUMBER	ADMINI- STRATION (#1)	BUILDING MAINTENANCE (#2)	CUSTODIAL (#3)	SAFETY & EMPLOYEE TRAINING (#4)	UTILITIES (#5)	LANDSCAPE & GROUNDS (#6)	TRAFFIC & SECURITY (#8)	GENERAL SERVICES (#9)	MAJOR REPAIRS (#7)	LEVEL OF ACADEMIC PROGRAM			CAMPUS AREA			
											2 YR	4 YR	GRAD	MED	GROSS MAINT. ACRES	CAMPUS ACRES	
SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	
6070	102	3500	.130	3500	.280	3363	.350	.3500	.030	.3500	.330	.3500	.070	.3500	.050	.3500	.090
6420	21	1344	.086	1344	.336	1401	.750	.1452	.287	.1404	.088	.1404	.117			833550	x
6451	85	1130	.312	1130	.124	1130	.224									670000	x
6701	130	1078	.063	572	.552	572	.337									216821	x
6740	40	655	.050	655	.240	655	.655	.655	.010	.655	.360	.655	.080	.655	.210	39847	x
6745	38	790	.122	790	.202	774	.308									1900000	x
7241	44	1262	.106	1262	.176	1262	.272									199872	x
7391	3	2903	.066	2012	.167	2012	.354									51027	x
7400	9t	1999	.095	1999	.137	1912	.224	.1954	.015	.1999	.080	.1999	.046	.1954	.028	199455	x
7757	7	1215	.180	1150	.560	991	.865									199500	x
7800	88	2743	.031	2743	.130	2495	.246	.2743	.003	.1215	.527	.1215	.077	.1133	.210	313000	x
7962	104	2011	.192	2011	.341	2011	.421									313000	x
7983	41	2669	.028	1338	.140	1338	.300	.2669	.004	.1338	.230	.2669	.064	.2669	.063	702198	x
8000	106																
8500	34	904	.093	904	.261	904	.224										
8579	45	6838	.020	5742	.323	3645	.383										
.8995	129	1453	.080	913	.180	913	.210										
9196	36	881	.087	881	.395	881	.250										
,9231	131	1244	.183	1056	.161	293	.595	.1244	.003	901	.606	4225	.024	6057	.038	309343	x
9275	127	689	.060	689	.290	689	.370	.689	.020	689	.350	689	.060			78178	x
9767	122	1264	.049	1264	.200	1264	.649	.1264	.028	1264	.690	1264	.230	.294	.1264	1066788	x
9800	115	2449	.039	2449	.121	2449	.255									2449	x
9804	875	.119	.875	.473	.677	.875	.043									237309	x
																1544	x
																458343	x
																13	13

UNIT COSTS 100000-16000 F.T.E.  
(SQUARE FEET IN THOUSANDS)

ENROLL	SCHOOL	ADMIN- ISTRATIVE ( # )	BUILDING MAINTENANCE ( # )	CUSTODIAL ( #3 )	SAFETY & EMPLOYEE TRAINING ( #4 )	UTILITIES ( #5 )	LANDSCAPE & GROUNDS ( #6 )	TRAFFIC & SECURITY ( #8 )	GENERAL SERVICES ( #9 )	MAJOR REPAIRS ( #7 )	LEVEL OF ACADEMIC PROGRAM			CAMPUS AREA INTEN. ACRES	
											\$ PER SQ FT	SQ FT	\$ PER SQ FT	\$ PER SQ FT	
10076	108	4260	.066	4260	.518	3727	.401	4260	.190	4260	.037	3727	.064	4260 .012	700000
11070	28	728	.130	728	.470	728	.530	728	.270	728	.020	728	.117	2889 .080	340000
11079	8	2889	.080	2889	.220	2889	.290	2889	.110	2889	.143	1313	.117	2889 .080	225000
11112	116	1313	.042	1313	.123	1313	.361	1313	.040	1313	.4730	4730	.010	908000 .010	61207
11567	49	4730	.070	3118	.200	4429	.220	4730	.210	4730	.471	1353	.001	4260 .012	908000
11666	87	1353	.090	1353	.334	1240	.528	1353	.471	1353	.2167	2167	.056	2167 .022	1081
11762	10	3416	.106	2167	.209	2167	.414	3416	.001	2167	.242	2167	.072	2167 .022	211633
12500	59	3429	.080	3429	.170	3429	.335	3429	.331	3429	.147	3429	.009	3429 .009	161762
12591	35	3760	.069	3760	.345	2963	.362	3760	.052	3760	.330	3760	.150	3760 .050	190726
12778	120	1767	.040	1767	.390	1767	.300	1767	.280	1767	.4082	4082	.030	5849 .030	200000
12883	119	1198	.105	1198	.398	1198	.378	1198	.006	1198	.302	1198	.164	1198 .150	309338
13150	56	5787	.040	3487	.276	2711	.259	5787	.018	5787	.193	5385	.057	5787 .027	549965
13733	11	2132	.056	2132	.221	2132	.415	2132	.2132	2132	.414	2132	.415	2132 .050	123199
14407	50	6169	.017	3889	.260	3067	.244	6169	.004	6169	.208	6169	.040	6169 .022	275000
14525	93	4153	.029	2041	.177	2041	.242	4153	.009	2041	.278	4153	.073	4153 .038	27794
14913	99	3851	.060	3851	.310	3749	.320	3851	.410	3851	.080	3851	.023	3851 .023	211219
14972	118	3633	.015	3633	.347	3633	.268	3633	.247	3633	.198	1737	.130	2259 .070	569761
15635	29	2259	.080	1572	.280	1572	.280	2259	.260	2259	.130	2259	.087	2259 .070	275000
15813	26	5790	.088	3777	.252	3777	.328	5790	.052	3777	.216	5790	.087	5790 .070	95836
15910	55	4168	.722	1734	.182	1734	.302	4168	.242	4168	.061	4168	.018	4168 .018	1890042

**UNIT COSTS - 16000-22000 F.T.E.**  
**(SQUARE FEET IN THOUSANDS)**

ENROLL F.T.E. NUMBER	SCHOOL	LEVEL OF ACADEMIC PROGRAM						CAMPUS AREA																
		ADMINI- STRATION			BUILDING MAINTENANCE			CUSTODIAL			SAFETY & EMPLOYEE TRAINING			LANDSCAPE & GROUNDS			TRAFFIC & SECURITY			GENERAL SERVICES			MAJOR REPAIRS	
		#1	#2	\$ PER SQ FT	SQ FT	SQ FT	\$ PER SQ FT	#3	SQ FT	SQ FT	\$ PER SQ FT	#4	\$ PER SQ FT	#5	\$ PER SQ FT	#6	\$ PER SQ FT	#8	\$ PER SQ FT	#9	\$ PER SQ FT	#7	\$ PER ACRES	
17000	111	.44	.255	.1854	.200	.1854	.500	.020	.4500	.020	.4500	.217	.2178	.052	.217	.080	.4500	.260	.080	.4500	.043	.1384	.164	
17000	54	4500	.060	.4500	.380	.4500	.780	.020	.4500	.020	.4500	.680	.4500	.080	.680	.208	.1384	.086	.1384	.043	.1384	.164	.014	
17000	48	1384	.045	1384	.107	1384	.256		1384		1384	.208	1384	.043	.208	.244	4894	.051	4894	.057	4894	.057	.187400	
17340	57	4894	.075	4894	.166	4894	.460		4894		4894	.244	4894	.051	.244	.238	6443	.238	6443	.238	6443	.238	.1200000	
17805	51	13	.567	6519	.236	5774	.329		5774		5774	.238	5774	.057	.238	.238	3135	.364	3135	.364	3135	.364	.322807	
18000	109	1013	.070	1005	.670	1005	.380	.020	1005	.020	1005	.820	1005	.001	.820	.1005	1005	.001	1005	.049	1005	.078	.3000000	
18196	65	2687	.060	2687	.310	2415	.370	.2687	.011	.2687	.420	.2687	.011	.2687	.420	.2687	.011	.2687	.130	.2687	.130	.078		
18271	46	4013	.070	4013	.250	2400	.570	.4013	.020	.4013	.300	.4013	.001	.4013	.300	.4013	.020	.4013	.140	.4013	.140	.4013		
18500	52	1987	.065	1987	.353	1987	.423		1987		1987	.447	1987	.092	.447	.1987	.1987	.092	.1987	.175	.1987	.175	.2140865	
19266	112	3623	.130	3623	.330	3623	.240	.6741	.010	.5848	.240	.5848	.060	.5848	.240	.5848	.060	.5848	.050	.6741	.050	.6741		
19372	110	10000	.180	5519	.080	4524	.290		10000		10000	.210	16988	.027	.210	.210	3803	.020	3803	.045	3803	.045	.244000	
19430	71	3803	.018	3803	.236	3803	.378	.3803	.020	3803	.370	7115	.045	.370	.370	3135	.364	3135	.364	3135	.364	.1500000		
19502	69	3135	.106	3135	.313	3135	.284		3135		3135	.170	7473	.115	.170	.170	7823	.100	7823	.054	7823	.054	.538200	
20104	72	3728	.058	3728	.252	3728	.286	.7473	.007	7473	.242	5248	.080	.242	.242	5248	.048	5248	.046	5248	.046	.282030		
20741	100	5248	.029	5248	.169	2335	.311	.5248	.008	.5248	.242	5248	.080	.242	.242	5248	.048	5248	.046	5248	.046	.80256		
21295	114																						.96000	
																								.750

**UNIT COSTS - 22000 + F.T.E.  
(SQUARE FEET IN THOUSANDS)**

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UNIT COSTS BY TOP LEVEL OF ACADEMIC PROGRAM - 2 YEAR  
(SQUARE FEET IN THOUSANDS)

**UNIT COSTS BY TOP LEVEL OF ACADEMIC PROGRAM - 4 YEAR**  
**(SQUARE FEET IN THOUSANDS)**

ENROLL.	SCHOOL	ADMINISTRATIVE F.T.E. NUMBER	BUILDING MAINTENANCE (#1)	CUSTODIAL (#2)	SAFETY & EMPLOYEE TRAINING (#3)	UTILITIES (#4)	LANDSCAPE & GROUNDS (#5)	TRAFFIC & SECURITY (#6)	GENERAL SERVICES (#7)	MAJOR REPAIRS (#8)	LEVEL OF ACADEMIC PROGRAM	CAMPUS AREA					
											2 YR	4 YR	GRAD MED	GROSS MAINT. ACRES ACRES			
222			109	.010	109	.150		109	.340					500	30		
729	17		32	4.600	129	1.700		138	1.040	1349	.016	.050	4	3.030	38000	37	
952	98	426	.070	453	.240	453	.260	453	.400	453	.110	.090			10000	x	
1030	1	250	.080	250	.200	250	.350	250	.300	250	.030	.050	250		85000	x	
1100	53	577	.060	577	.310	577	.280	577	.250	577	.250				10000	x	
1130	84	1294	.040	642	.181	585	.240	INCL. IN #8	607	1294	.102	.029			95000	x	
1200	68	813	.172	813	.360	813	.574		813	.232	.167	.184	INCL. IN #6		325	200	
1265	18	493	.096	.33	.441	493	.005	493	.445	493	.037	.493	.070		27	27	
1267	94	327	.030	327	.120	327	.290		327	.230	.090	.327	.090	327	40	32	
1301	60	476	.050	476	.160	476	.300	476	.002	476	.150	.080	.076	61500	x	663	
1592	124	223	.073	223	.188	223	.191		223	.237	.223	.066	.023	.050	11483	x	78
1754	83	441	.049	441	.254	441	.179	441	.033	441	.225	.207	.441	.066		15	15
1817	137	568	.171	568	.234	568	.303	568	.322	568	.150	.132	.568	.162	244445	x	18
2148	37	2329	.035	2329	.196	2389	.281	2329	.003	2329	.218	.2389	.058	.034	2329	.025	206
2458	62	969	.030	969	.260	832	.350	INCL. IN #8	969	.370	969	.080	.060	969	.150	103909	x
2629	64	557	.059	557	.236	513	.214	557	.004	557	.677	.557	.084	.557	.074	21873	x
3952	23	1205	.071	1205	.147	620	.391		1205	.374	1205	.097				128	94
5223	86	20	.416	812	.132	516	.292		812	.205	1176	.024	.812	.066	10482	x	1600
5769	92	1130	.312	1130	.124	1130	.224								840	27	
6451	85	1999	.095	1999	.137	1912	.224	1954	.015	1999	.080	1999	.046	1954	.028	216821	x
7400	96	2743	.031	2743	.130	2495	.246	2743	.003	2743	.201				6250	375	
7800	88	904	.093	904	.261	904	.224								908	211	
8500	34	1264	.049	1264	.200	1264	.649	1264	.028	1264	.690	1264	.230	.294	.018	697	
9767	122	1198	.105	1198	.398	1198	.378	1198	.006	1198	.302	1198	.164	.3020	.059	1066788	x
12883	119	1987	.065	1987	.353	1987	.423		1987	.447	1987	.092	.1987	.175	.150	309438	x
19266	112														2140865	561	

**UNIT COSTS BY TOP LEVEL OF ACADEMIC PROGRAM - GRADUATE**  
 (SQUARE FEET IN THOUSANDS)

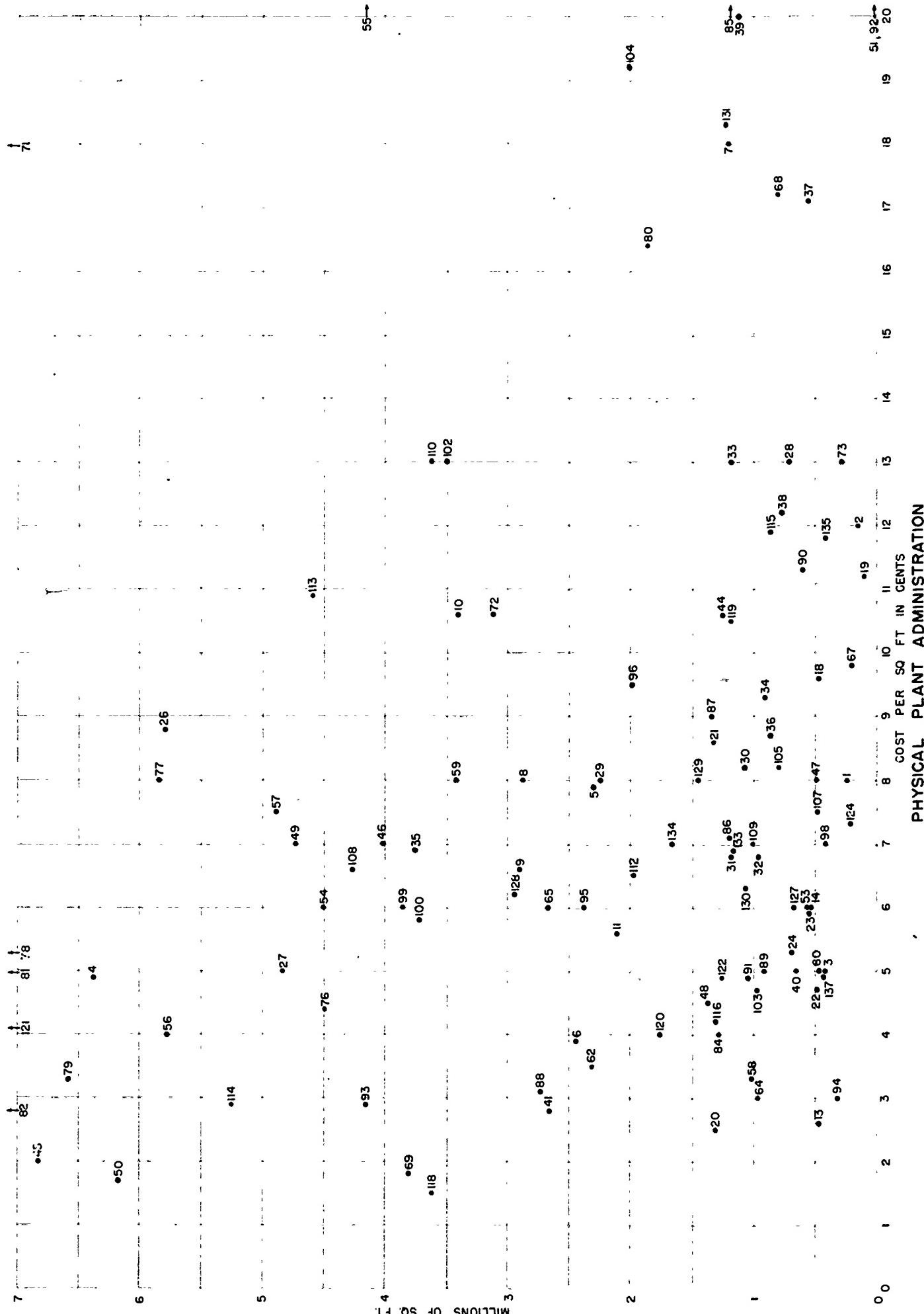
ENROLL F.T.E. NUMBER	SCHOOL F.T.E.	ADMINI- STRATION (#1)	BUILDING MAINTENANCE (#2)	CUSTODIAL (#3)	SAFETY & EMPLOYEE TRAINING (#4)	UTILITIES (\$ PER SQ FT)	LANDSCAPE & GROUNDS (#6)	TRAFFIC & SECURITY SERVICES (#8)	GENERAL SERVICES (\$ PER SQ FT)	MAJOR REPAIRS (#7)	LEVEL OF ACADEMIC PROGRAM 2 YR GRAD MED	CAMPUS AREA INTEN. ACRES
SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT
388	67	202	.098	.202	.266	.148	.216	.148	.005	.167	.348	.1089
983	63	800	.225	800	.138	760	.309	INCL.	IN #8	.800	.218	.021
1080	31	1193	.058	.213	.739	.278	.193	.031	.1193	.235	.890	.116
1200	47	500	.080	.500	.324	.500	.433	.500	.300	.500	.143	.145
1568	3	428	.050	.428	.180	.428	.300	.428	.002	.260	.428	.100
1584	105	802	.082	.445	.312	.445	.238	INCL.	IN #8	.445	.138	.020
1812	90	604	.113	INCL.	IN #3	.604	.783	.604	.437	.604	.604	.116
1866	13	487	.026	.487	.195	.428	.224	INCL.	IN #2	.487	.487	.188
2000	107	494	.075	.494	.264	.494	.345	.494	.002	.1025	.425	.494
2500	33	1199	.130	1199	.800	1091	.490	.1199	.930	.1199	.320	.116
2700	58	1025	.033	1025	.255	.975	.265	.1025	.002	.1025	.357	.116
3088	89	916	.050	.916	.260	.916	.230	.916	.002	.1025	.494	.152
3153	91	1053	.049	1053	.078	.924	.240	.916	.002	.1025	.494	.089
3219	134	1676	.070	1676	.270	1676	.210	.1676	.002	.1025	.494	.040
3412	14	550	.060	334	.179	334	.200	.334	.002	.1025	.494	.040
3695	24	700	.053	700	.154	700	.284	.700	.002	.1025	.494	.040
3748	22	495	.047	495	.119	443	.226	.655	.003	.495	.211	.655
4500	103	980	.047	980	.150	980	.390	.1042	.002	.1025	.494	.040
4948	27	4836	.050	4836	.257	4663	.222	.4836	.002	.1025	.494	.040
5590	32	962	.068	962	.272	962	.377	.4836	.002	.1025	.494	.040
5724	39	1144	.200	976	.190	902	.330	.1144	.015	.1048	.590	.4951
6000	70	1344	.086	1344	.336	1401	.750	.1401	.002	.1025	.494	.040
6420	21	1078	.063	.572	.552	.572	.337	.572	.010	.655	.360	.655
6701	130	655	.050	.655	.240	.655	.655	.655	.010	.790	.286	.790
6740	40	1244	.081	.183	.1056	.161	.881	.250	.003	.881	.1338	.1338
6745	38	790	.122	790	.202	.774	.308	.2669	.004	.1338	.230	.2669
7983	41	2669	.028	1338	.140	1338	.300	.1338	.004	.648	.167	.648
8000	106	1453	.080	913	.180	913	.210	.913	.050	.1453	.050	.1453
8995	129	881	.087	.881	.395	.881	.250	.1244	.003	.881	.238	.1236
9196	36	1244	.087	.183	.1056	.161	.803	.595	.003	.881	.606	.4225
9231	131	689	.060	.689	.290	.689	.370	.689	.020	.689	.350	.689
9275	127	875	.119	875	.473	.875	.677	.875	.043	.875	.301	.875
9804	115	1767	.040	1767	.390	1767	.300	.1767	.027	.1767	.280	.4082
11070	28	728	.130	728	.470	.728	.530	.728	.027	.1313	.143	.1313
11112	116	1313	.042	1313	.123	1313	.361	.1313	.018	.5385	.193	.5385
11567	49	4730	.070	3118	.200	4429	.220	.4730	.010	.4730	.040	.4730
11666	87	1353	.090	1353	.334	1240	.528	.1353	.471	.5385	.015	.5385
12778	120	1767	.040	1767	.390	1767	.300	.1767	.027	.1767	.080	.200000
13150	56	5787	.040	3487	.276	2711	.259	.5787	.018	.5370	.5787	.549565

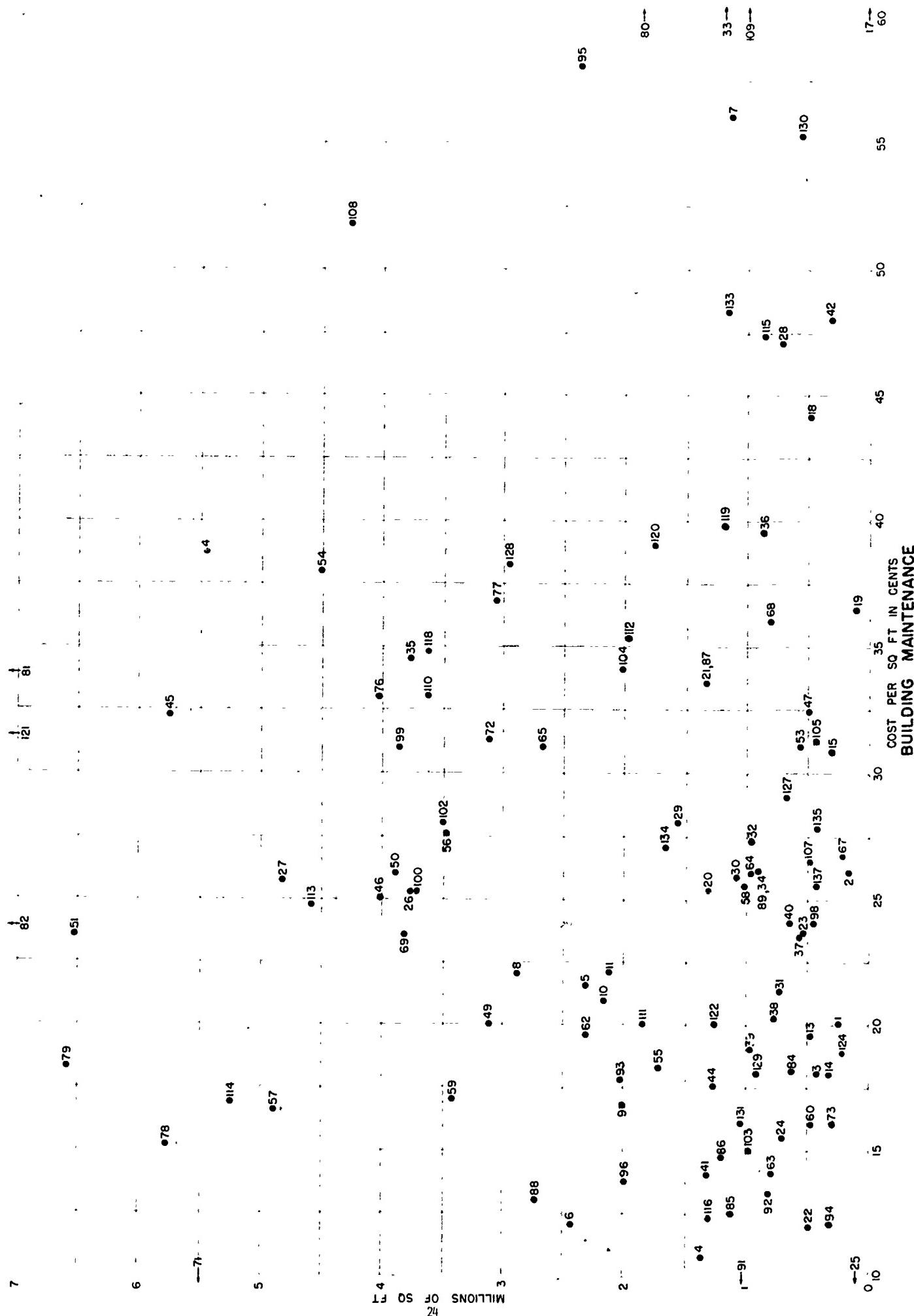
**UNIT COSTS BY TOP LEVEL OF ACADEMIC PROGRAM - GRADUATE**  
 (SQUARE FEET IN THOUSANDS)

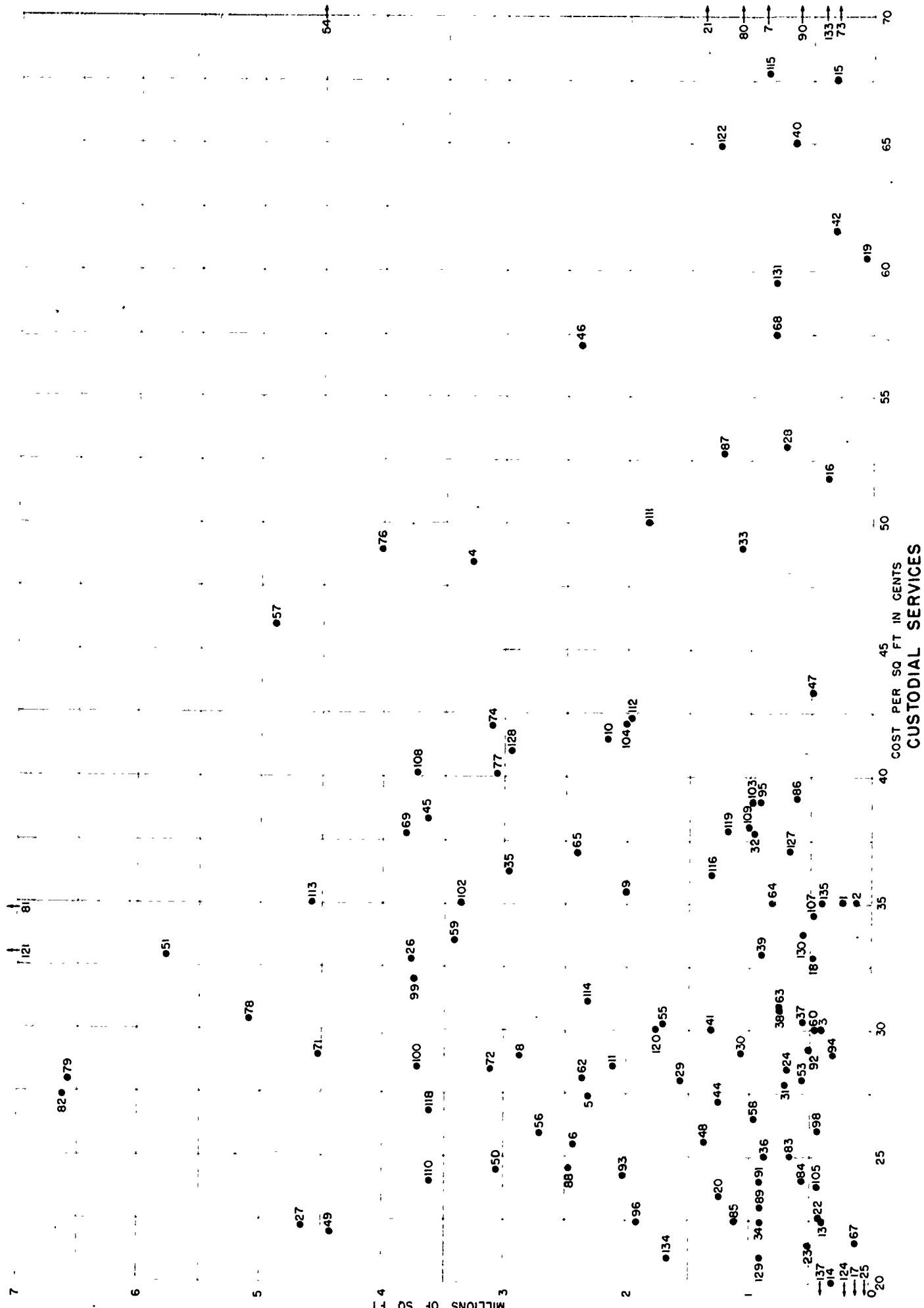
ENROLL. F.T.E.	SCHOOL NUMBER	ADMINI- STRATION (#1) \$ PER SQ FT	BUILDING MAINTENANCE (#2) \$ PER SQ FT	CUSTODIAL (#3) \$ PER SQ FT	SAFETY & EMPLOYEE TRAINING (#4) \$ PER SQ FT	UTILITIES (#5) \$ PER SQ FT	LANDSCAPE & GROUNDS (#6) \$ PER SQ FT	TRAFFIC & SECURITY (#8) \$ PER SQ FT	GENERAL SERVICES (#9) \$ PER SQ FT	MAJOR REPAIRS (#7) \$ PER SQ FT	LEVEL OF ACADEMIC PROGRAM			CAMPUS AREA INTEN. ACRES
											2 YR	4 YR	GRAD MED	
13733	11	.2132	.056	.2132	.221	.2132	.286	.2132	.415	.2132	.144	.2041	.038	123199
14524	93	.4153	.029	.2041	.177	.2041	.242	.4153	.029	.2041	.073	.4153	.038	211219
14972	118	.3633	.015	.3633	.347	.3633	.268	.3633	.247	.17371	.198	.2041	.023	420
15635	29	.2259	.080	.1572	.280	.1572	.280	.2259	.260	.2259	.130	.2259	.070	1255
15813	26	.5790	.088	.3777	.252	.3777	.328	.5790	.052	.3777	.216	.5790	.087	400
17000	48	.1384	.045	.1384	.107	.1384	.1384	.1384	.208	.1384	.086	.1384	.043	1740
17000	111	.44	.255	.1854	.200	.1854	.256	.1854	.500	.1854	.217	.2178	.052	575
17340	57	.4894	.075	.4894	.166	.4894	.460	.4894	.244	.4894	.051	.4894	.057	80
17805	51	.13	.567	.6519	.236	.5774	.329	.6443	.238	.6443	.226	.6443	.014	257
18000	109	.1013	.070	.1005	.670	.1005	.380	.1005	.020	.1005	.049	.1005	.030	97
18196	65	.2687	.060	.2687	.310	.2415	.370	.2687	.011	.2687	.130	.2687	.043	1400
18500	52													187400
19372	110	.3623	.130	.3623	.330	.3623	.240	.6741	.010	.5848	.060	.6741	.010	1200000
21295	114	.5248	.029	.5248	.169	.2335	.311	.5248	.008	.5248	.242	.5248	.048	1232807
23000	74													1244
25582	113	.4589	.109	.4589	.247	.4589	.350	.10914	.026	.9499	.278	.4589	.049	524
27597	4	.6376	.049	.5448	.387	.3293	.484	.6376	.005	.5740	.389	.6376	.063	300
36826	81	.7618	.050	.7618	.339	.7618	.347	.7618	.057	.7618	.368	.7618	.084	200
														488
														600
														900
														1350
														481
														640

UNIT COSTS BY TOP LEVEL OF ACADEMIC PROGRAM - MEDICAL  
(SQUARE FEET IN THOUSANDS)

ENROLL. F.T.E.	SCHOOL NUMBER	ADMINI- STRATION (#1)	BUILDING MAINTENANCE - CUSTODIAL (#2)	SAFETY & EMPLOYEE TRAINING (#4)	UTILITIES (#5)	LANDSCAPE & GROUNDS (#6)	TRAFFIC & SECURITY (#8)	GENERAL SERVICES (#9)	MAJOR REPAIRS (#7)	LEVEL OF ACADEMIC PROGRAM			CAMPUS AREA ACRES
										2 YR	4 YR	GROSS MAINT. ACRES	
SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	
282	135	435	.118	.435	.277	.435	.350	.435	.121	.435	.059	.117	35
500	133	1172	.069	1172	.482	.954	.422	.1172	.562	.1172	.041	.1172	25
910	80	1873	.164	1873	.724	.746	.1873	.016	.1873	.426	.79	.139	10
1600	95	2390	.060	2390	.580	.925	.390	.2390	.370	.1524	.450	.35	35
3147	20	1320	.025	1320	.253	1250	.234	.1320	.181	.1320	.097	.540	100
4409	30	1098	.082	1098	.258	1067	.292	.1098	.414	.1098	.244	.1501	238
5296	5	2312	.079	2312	.215	2312	.274	.2312	.445	.2312	.014	.8819	2035
6070	102	3500	.130	3500	.350	3363	.350	.3500	.330	.3500	.050	.3500	110
7241	44	1262	.106	1262	.176	1262	.272	.1262	.355	.1262	.074	.327	209
7391	9	2903	.066	2012	.167	2012	.354	.2012	.218	.2903	.040	.2903	96
7962	104	2011	.192	2011	.341	2011	.421	.2011	.024	.2011	.139	.047	81
8579	45	6838	.020	5742	.323	3645	.383	.6838	.375	.5653	.046	.6838	302
9800	6	2449	.039	2449	.121	2449	.255	.2449	.162	.2449	.057	.2449	70
10076	108	4260	.066	4260	.518	3727	.401	.4260	.190	.4260	.037	.3727	350
11079	8	2889	.080	2889	.220	2889	.290	.2889	.110	.2889	.020	.2889	171
11762	10	3416	.106	2167	.209	2167	.414	.3416	.001	.2167	.072	.2167	102
12500	59	3429	.080	3429	.170	3429	.335	.3429	.331	.3429	.147	.3429	6
12591	35	3760	.069	3760	.345	2963	.362	.3760	.330	.3760	.150	.3760	350
14407	50	6169	.017	3889	.260	3067	.244	.6169	.004	.6169	.040	.6169	46
14913	99	3851	.060	3851	.310	3749	.320	.3863	.410	.3851	.080	.3851	300
15910	55	4168	.722	1734	.182	1734	.302	.4168	.242	.4168	.061	.4168	380
17000	54	4500	.060	4500	.380	4500	.780	.4500	.020	.4500	.080	.4500	600
18271	46	4013	.070	4013	.250	2400	.570	.4013	.020	.3506	.300	.4013	3776
19430	71	10000	.180	5519	.080	4524	.290	.10000	.210	.16988	.027	.16988	898
19502	69	3803	.018	3803	.236	3803	.378	.3803	.020	.3803	.045	.3803	512
2004	72	3135	.106	3135	.313	.284	.3135	.3135	.3135	.3135	.170	.3135	350
20741	190	3728	.058	3728	.252	3728	.286	.7473	.007	.7823	.054	.7823	1500
22212	77	5842	.080	3060	.368	3070	.401	.5842	.006	.4540	.432	.5842	390
22548	128	2959	.062	2959	.382	2959	.410	.2959	.040	.2959	.368	.2959	1223
25548	76	4482	.044	4036	.330	4036	.489	.4036	.4036	.846	.4482	.114	172
29468	78	10917	.053	5777	.152	5091	.306	.10980	.012	.10931	.277	.10587	124
29500	79	6588	.033	6588	.183	6588	.280	.6588	.306	.6588	.098	.6588	211
32677	121	7239	.041	7239	.315	7217	.330	.11633	.307	.7239	.091	.7169	640
39592	82	7290	.028	7290	.240	6623	.274	.15247	.020	.13196	.259	.15247	5100







CUSTODIAL SERVICES

COST PER SQ FT IN CENTS

55 50 45 40

60 65 70

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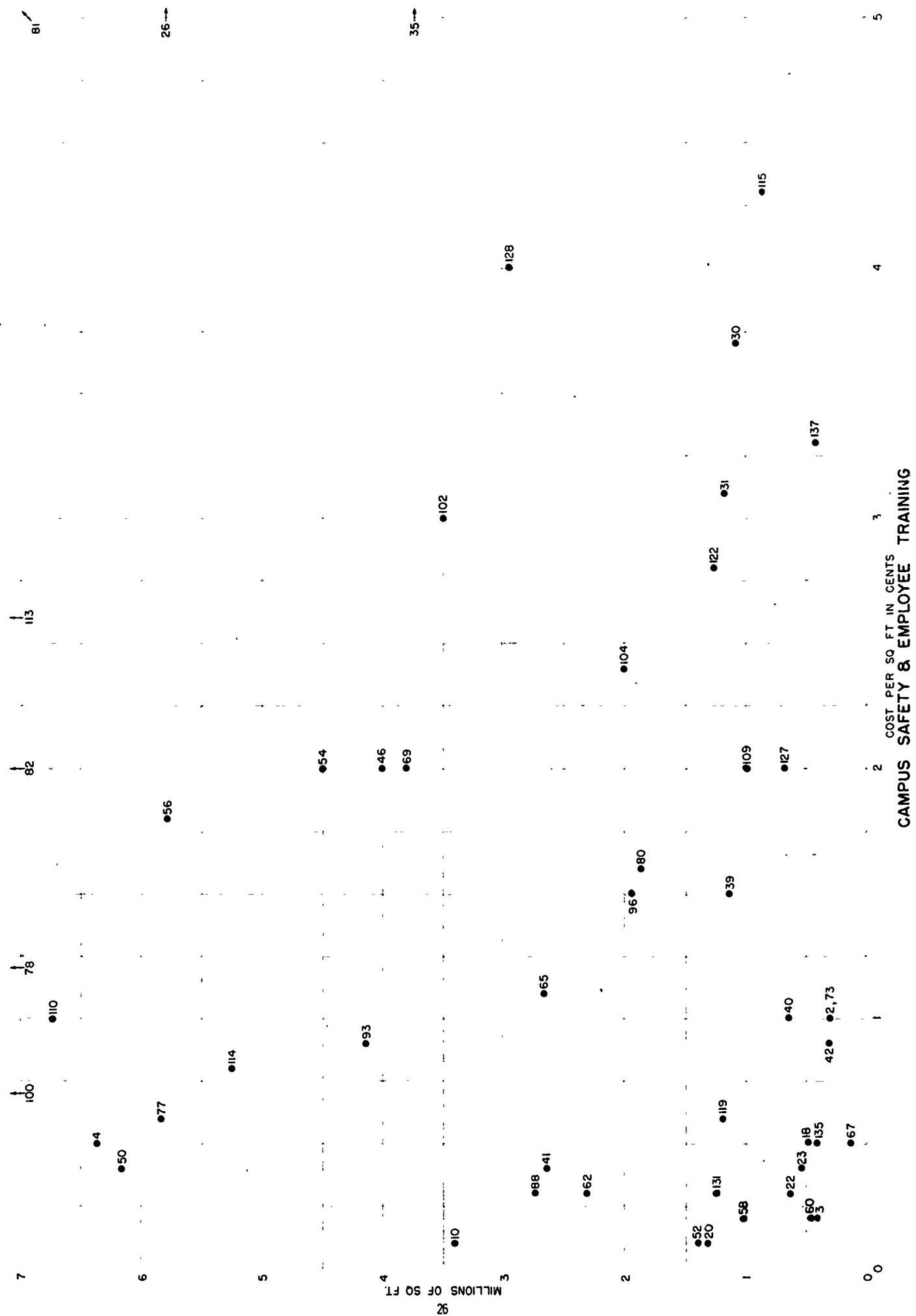
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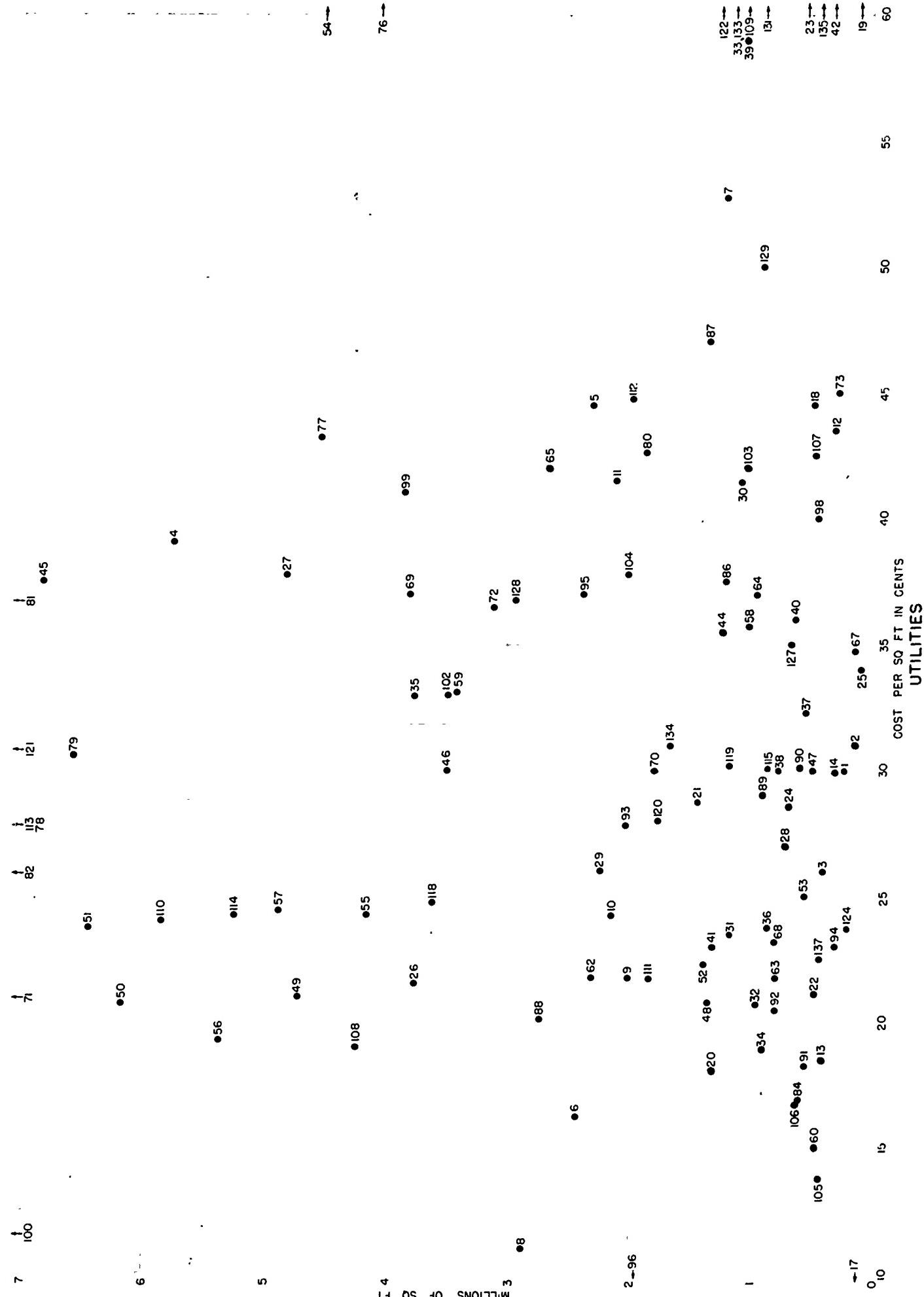
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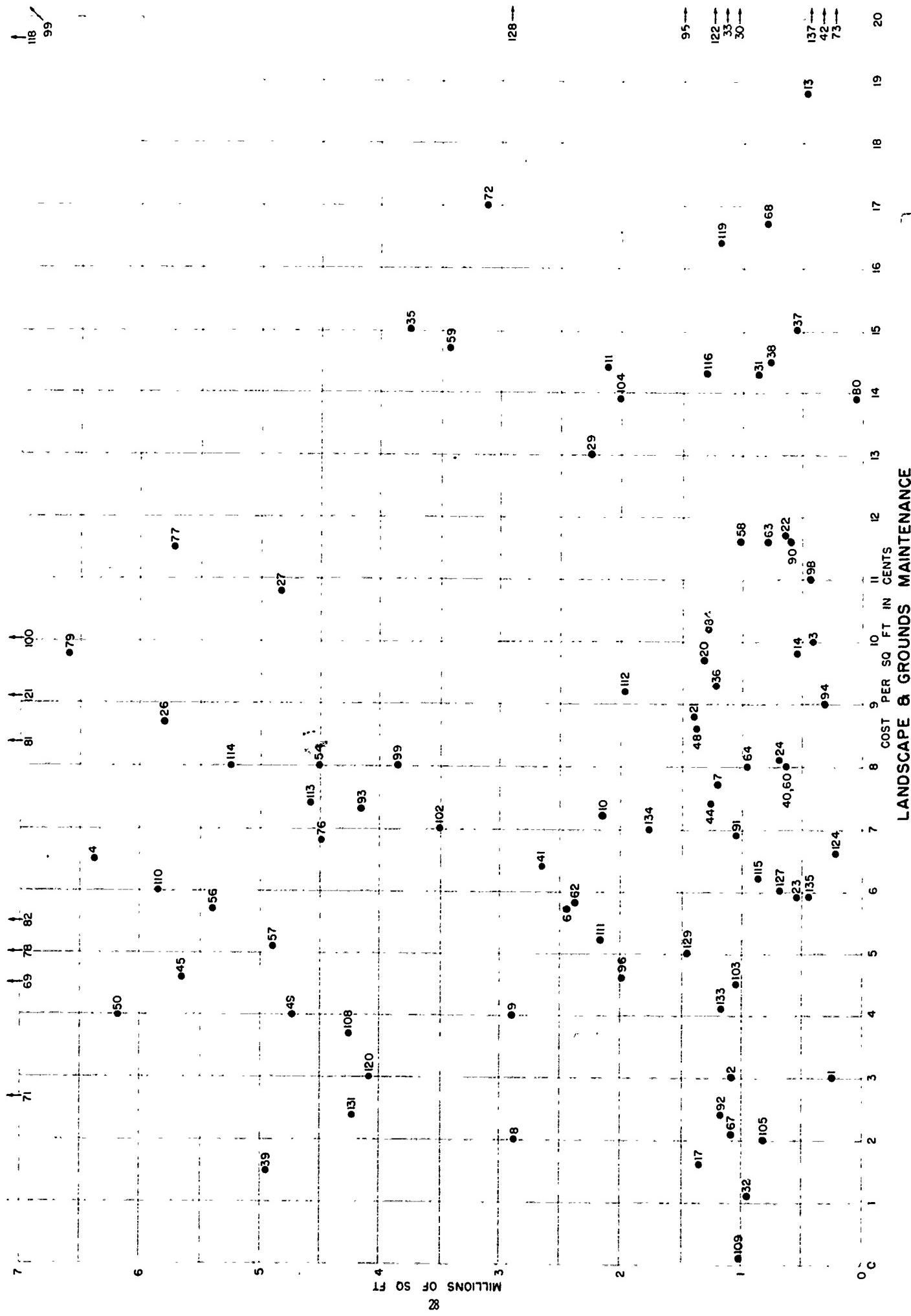
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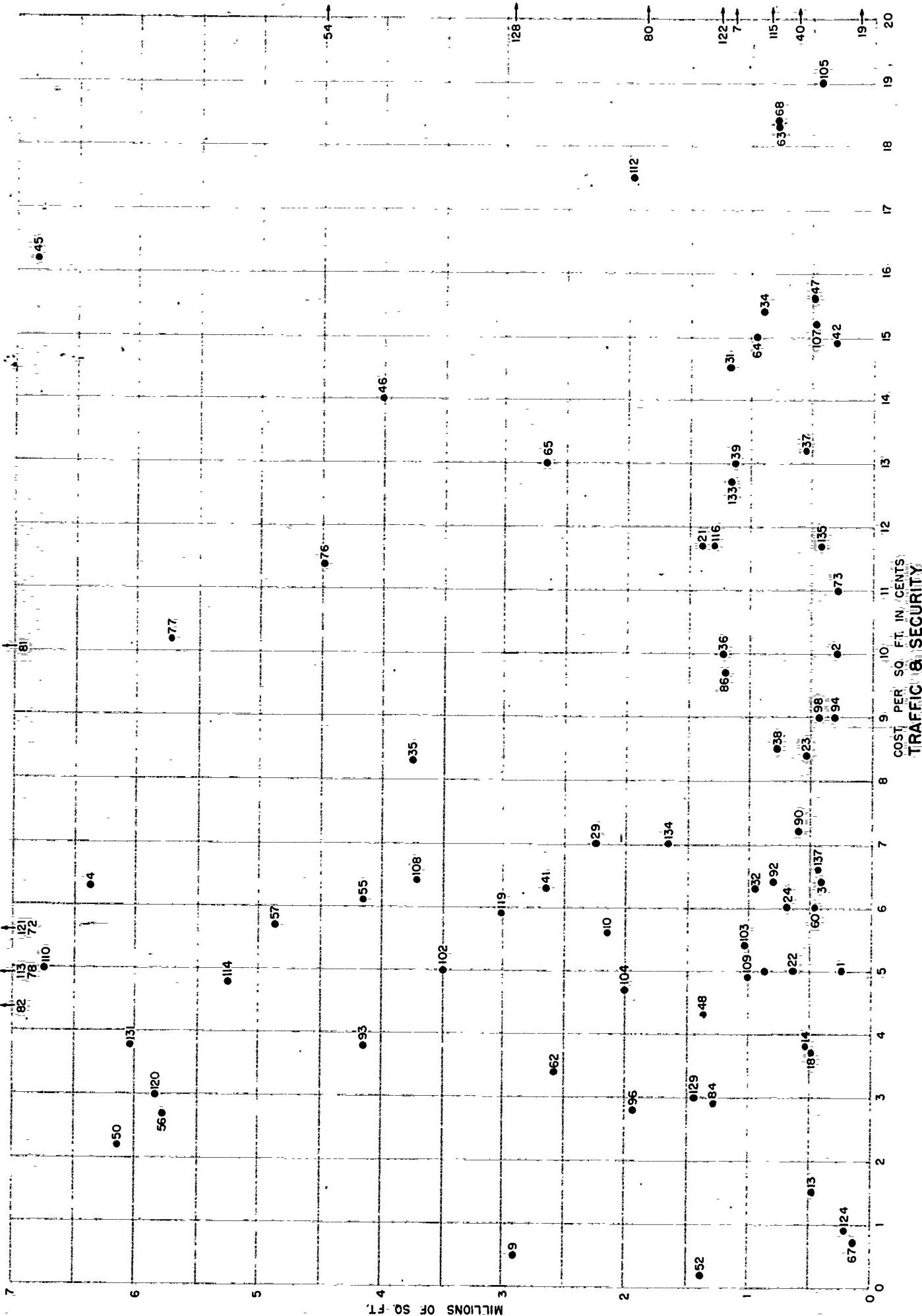
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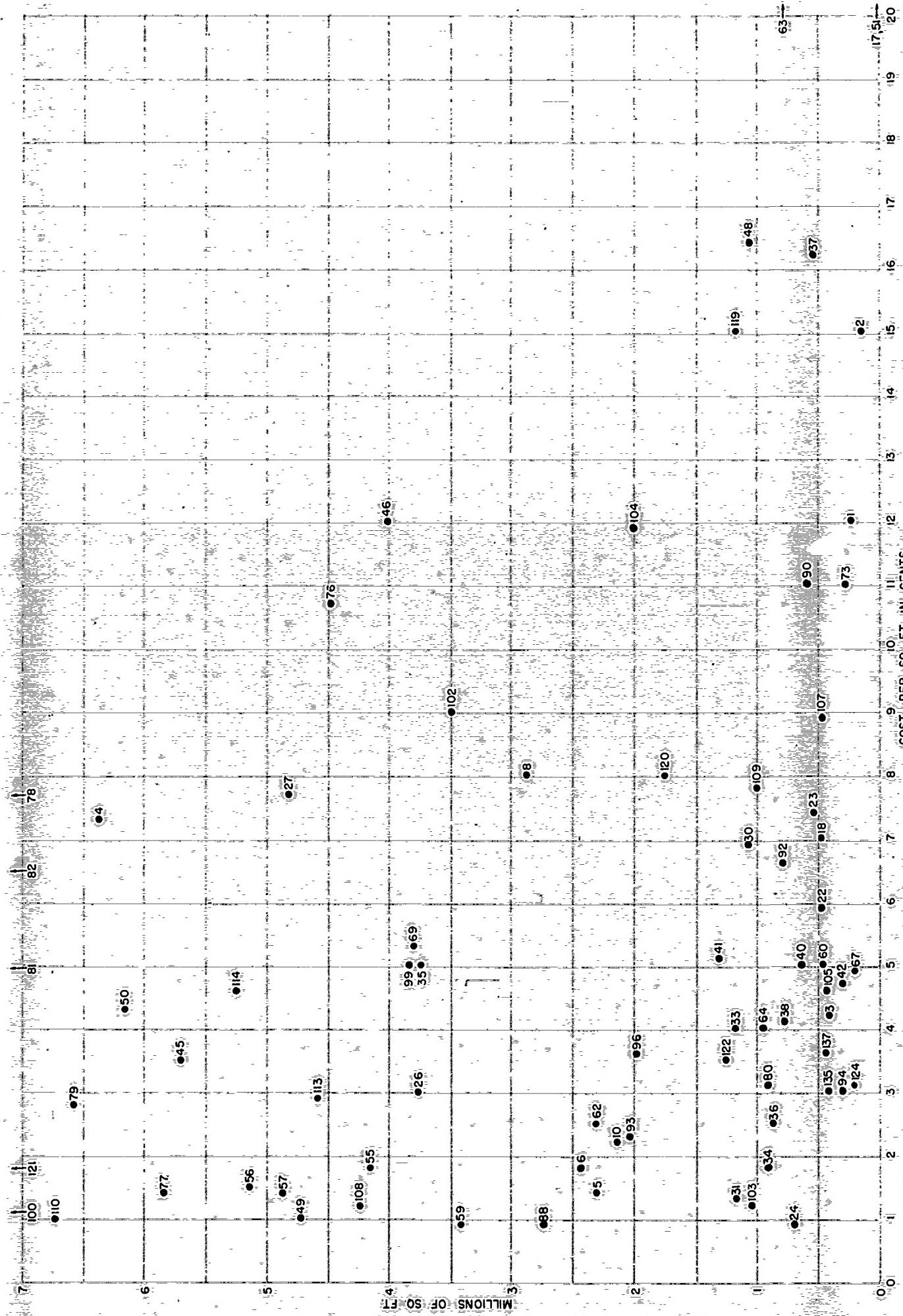






TRAFFIC SECURITY

**COST PER SQ FT IN CENTS  
GENERAL SERVICES**



WAGE RATES - MIDWEST REGION  
(WAGE RATES SHOWN IN THOUSANDS)

ENROLL. F.T.E.	SCHOOL NUMBER	CHIEF ADMIN	ASSOC ADMIN	PRIN ADMIN	CONST PLAN	CUST ENGRS	UTIL SUPT	MAINT SUPT	SKILL GRNDS SUPT	TRADE SUPT	CUST EQUIP SUPT	SKILL EQUIP SUPT	CUST OPER SUPT	SKILL TRADE GARD	CUST LABOR	SKILL MARKUP PERCENT
730	141	11-14	8-9	6-7	8-9	7-8	6-7	6-7	6-7	6-7	6-7	6-7	6-7	6-7	5-6	5-6
875	19	9-11	7-8	6-7	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	5-6	5-6
1265	18	11-14	9-11	7-8	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	5-6	5-6
1275	126	9-11	17-20	7-8	7-8	7-8	6-7	6-7	6-7	6-7	6-7	6-7	6-7	6-7	0-5	0-5
1300	123	124	9-11	11-14	14-17	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	5-6	5-6
1592	124	16	14-17	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	6-7	6-7
3854	16	17-20	11-14	11-14	14-17	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	7-8	7-8
4000	12	11-14	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9
4995	117	11-14	17-20	14-17	14-17	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	7-8	7-8
5223	86	17-20	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	6-7	6-7
6420	21	17-20	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	7-8	7-8
8579	45	24-28	14-17	9-11	11-14	17-20	17-20	17-20	17-20	17-20	17-20	17-20	17-20	17-20	50	50
8792	125	136	17-20	11-14	14-17	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	8-9	8-9
8965	136	127	14-17	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	7-8	7-8
9275	127	14-17	11-14	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	6-7	6-7
9767	122	14-17	14-17	14-17	14-17	17-20	14-17	14-17	14-17	14-17	14-17	14-17	14-17	14-17	6-7	6-7
9804	115	14-17	14-17	14-17	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	20	20
11112	116	17-20	14-17	9-11	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	33	33
12778	120	14-17	11-14	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	0-5	0-5
12883	119	17-20	14-17	14-17	14-17	17-20	14-17	14-17	14-17	14-17	14-17	14-17	14-17	14-17	17	17
14972	118	20-24	14-17	14-17	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	5-6	5-6
15910	55	14-17	14-17	14-17	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	0-5	0-5
17000	111	17-20	11-14	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	5-6	5-6
19266	112	20-24	14-17	14-17	14-17	17-20	14-17	14-17	14-17	14-17	14-17	14-17	14-17	14-17	5-5	5-5
19372	110	20-24	20-24	20-24	20-24	17-20	14-17	14-17	14-17	14-17	14-17	14-17	14-17	14-17	7-8	7-8
19502	69	20-24	20-24	20-24	17-20	14-17	14-17	14-17	14-17	14-17	14-17	14-17	14-17	14-17	6-7	6-7
21295	114	17-20	14-17	9-11	17-20	11-14	17-20	11-14	17-20	11-14	17-20	11-14	17-20	11-14	5-5	5-5
22548	128	20-24	14-17	9-11	14-17	11-14	14-17	11-14	14-17	11-14	14-17	11-14	14-17	11-14	27	27
25548	125	20-24	17-20	11-14	14-17	14-17	14-17	14-17	14-17	14-17	14-17	14-17	14-17	14-17	55	55
25561	113	28+	20-24	20-24	20-24	17-20	17-20	17-20	17-20	17-20	17-20	17-20	17-20	17-20	7-8	7-8
29428	78	24-28	17-20	17-20	11-14	14-17	14-17	14-17	14-17	14-17	14-17	14-17	14-17	14-17	6-7	6-7
32677	121	20-24	17-20	17-20	17-20	17-20	17-20	17-20	17-20	17-20	17-20	17-20	17-20	17-20	9-11	9-11
36826	81	28+	20-24	20-24	20-24	20-24	20-24	20-24	20-24	20-24	20-24	20-24	20-24	20-24	8-9	8-9
39592	82	28+	20-24	14-17	20-24	14-17	14-17	14-17	14-17	14-17	14-17	14-17	14-17	14-17	9-11	9-11

## WAGE RATES SUMMARY - MIDWEST REGION

JOB DESCRIPTION	# OF SCHOOLS REPORTING	ANNUAL RATE
CHIEF PHYSICAL PLANT ADMIN.	32	\$3
ASSOCIATE ADMIN.	14	\$1
ASSISTANT ADMIN.	15	\$2
PRINCIPAL PLANNER	13	\$1
PRINCIPAL CONSTR. ENGINEER	13	\$2
CHIEF ENGRS. (MECH, ELEC, CIVIL)	20	\$1
UTILITY OR POWER PLANT SUPT.	28	\$3
SHOP SUPT. (MAINT.)	24	\$2
CUSTODIAL SUPT.	30	\$1
GROUNDS SUPT.	28	\$2
SKILLED TRADES FOREMAN	26	\$3
CUSTODIAL FOREMAN	30	\$6
POWER PLANT EQUIP. OPERATORS	29	\$6
SKILLED TRADESMEN (PLUMBER, ELEC, ETC.)	30	\$1
SKILLED GARDENERS	28	\$3
CUSTODIANS	32	\$4
SKILLED LABOR	30	\$3

DO YOU BILL FRINGE AND OVERHEAD COST TO OTHER DEPARTMENTS? YES  NO  18PERCENTAGE MARKUP: 1-10%  11-20%  21-35%  36+%  3

## **EASTERN REGION (WAGE RATES SHOWN IN THOUSANDS)**

**WAGE RATES - EASTERN REGION**  
**(WAGE RATES SHOWN IN THOUSANDS)**

ENROLL. F.T.E.	SCHOOL NUMBER	CHIEF ADMIN	ASSIST. ADMIN	PRIN. PLAN	CONST. ENGR	CHIEF ENGR	UTIL. SUPT.	MAIN. SUPT.	CUST. SUPT.	GRNDS. SUPT.	TRADE. FORE.	CUST. FORE.	EQUIP. OPER.	SKILL LABOR	MARKUP PERCENT
17000	54	24-28	17-20	14-17	20-24	17-20	14-17	17-20	14-17	11-14	11-14	8-9	9-11	8-9	6-7
17805	51	20-24	17-20	14-17	17-20	11-14	11-14	9-11	9-11	7-8	7-8	7-8	7-8	6-7	6-7
18000	109	46	20-24	17-20	11-14	11-14	14-17	9-11	9-11	6-7	6-7	9-11	9-11	0-5	7-8
18271	71	20-24	17-20	11-14	11-14	11-14	11-14	11-14	9-11	9-11	9-11	9-11	8-9	7-8	8-9
19430	74	20-24	14-17	11-14	20-24	17-20	17-20	17-20	11-14	11-14	8-9	6-7	6-7	5-6	17
23000	4	24-28	20-24	17-20	17-20	14-17	11-14	11-14	9-11	9-11	8-9	8-9	8-9	5-6	20
27597											6-7	8-9	9-11	5-6	0-5

**WAGE RATES SUMMARY - EASTERN REGION**

JOB DESCRIPTION	# OF SCHOOLS REPORTING	ANNUAL RATE																								
		0- 5000	5000- 6000	6000- 7000	7000- 8000	8000- 9000	9000- 10000	10000- 11000	11000- 12000	12000- 13000	13000- 14000	14000- 15000	15000- 16000	16000- 17000	17000- 18000	18000- 19000	19000- 20000	20000- 21000	21000- 22000	22000- 23000	23000- 24000	24000- 25000	25000- 26000	26000- 27000	27000- 28000	28000+
CHIEF PHYSICAL PLANT ADMIN.	33																									
ASSOCIATE ADMIN.	13																									
ASSISTANT ADMIN.	20	1		1																						
PRINCIPAL PLANNER	12																									
PRINCIPAL CONSTR. ENGINEER	11																									
CHIEF ENGRS. (MECH, ELEC, CIVIL)	12																									
UTILITY OR POWER PLANT SUPT.	27		1																							
SHOP SUPT. (MAINT.)	20																									
CUSTODIAL SUPT.	27			2																						
GROUNDS SUPT.	29	1	2	2																						
SKILLED TRADES FOREMAN	29																									
CUSTODIAL FOREMAN	27	2	11	4	5	5																				
POWER PLANT EQUIP. OPERATORS	29		2	6	8	4	7	2																		
SKILLED TRADESMEN (PLUMBER, ELEC, ETC.)	34		2	2	8	12	8	1	1																	
SKILLED GARDENERS	29	2	8	12	4	3																				
CUSTODIANS	32	4	18	9	1																					
SKILLED LABOR	29	3	7	10	3	6																				

DO YOU BILL FRINGE AND OVERHEAD COST TO OTHER DEPARTMENTS? YES 9 NO 26

PERCENTAGE MARKUP: 1-10% 2 11-20% 5 21-35% 2 36% 0

WAGE RATES - SOUTHEASTERN REGION  
(WAGE RATES SHOWN IN THOUSANDS)

ENROLL F.T.E.	SCHOOL NUMBER	CHIEF ADMIN	ASSOC ADMIN	PRIN PLAN	CONST ENGR	CHIEF ENGRS	UTIL SUPT	MAINT SUPT	CUST SUPT	GRNDS SUPT	TRADE SUPT	SKILL FORE	UTIL FORE	EQUIP OPER	SKILL TRADE	SKILL GARD	SKILL CUST	SKILL LABOR	MARKUP PERCENT
		222	25	9-11	9-11	9-11	6-7	8-9	8-9	7-8	7-8	5-6	5-6	7-8	5-6	5-6	5-6	6-7	
897	97	9-11	9-11	9-11	9-11	9-11	6-7	5-6	6-7	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	6-7	
900	143	11-14	7-8																0-5
952	98	11-14																	0-5
1267	94	11-14																	5-6
1600	95	17-20	11-14	11-14	17-20	11-14	9-11	9-11	9-11	8-9	8-9	5-6	6-7	6-7	6-7	6-7	6-7	0-5	
1754	83	11-14	7-8																0-5
1817	137	9-11	8-9																0-5
2292	140	11-14	9-11																0-5
3147	20	14-17																	0-5
5000	101	11-14	11-14																0-5
7241	44	14-17	14-17																0-5
7400	96	20-24	14-17	8-9															0-5
9800	6	17-20	11-14	11-14	11-14	14-17													0-5
11567	49	20-24	14-17	11-14	14-17	11-14	14-17	11-14	14-17	11-14	14-17	9-11	14-17	9-11	14-17	9-11	14-17	9-11	
14525	93	20-24	11-14	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	8-9	8-9	8-9	8-9	8-9	8-9	8-9	
14913	99	17-20	14-17	14-17	14-17	14-17	14-17	11-14	11-14	11-14	11-14	9-11	11-14	9-11	11-14	9-11	11-14	9-11	
15635	29	17-20	14-17	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	9-11	8-9	8-9	8-9	8-9	8-9	8-9	
15813	26																		0-5
20741	100	17-20	14-17	14-17	14-17	14-17	11-14	11-14	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	

## WAGE RATES SUMMARY - SOUTHEASTERN REGION

JOB DESCRIPTION	ANNUAL RATE					
	# OF SCHOOLS REPORTING	0- 5000- 6000- 7000- 8000- 9000- 10000- 11000- 12000- 13000- 14000- 15000- 16000- 17000- 18000- 19000- 20000- 21000- 22000- 23000- 24000- 25000- 26000+	1- 5000- 6000- 7000- 8000- 9000- 10000- 11000- 12000- 13000- 14000- 15000- 16000- 17000- 18000- 19000- 20000- 21000- 22000- 23000- 24000- 25000- 26000+	2- 5000- 6000- 7000- 8000- 9000- 10000- 11000- 12000- 13000- 14000- 15000- 16000- 17000- 18000- 19000- 20000- 21000- 22000- 23000- 24000- 25000- 26000+	3- 5000- 6000- 7000- 8000- 9000- 10000- 11000- 12000- 13000- 14000- 15000- 16000- 17000- 18000- 19000- 20000- 21000- 22000- 23000- 24000- 25000- 26000+	4- 5000- 6000- 7000- 8000- 9000- 10000- 11000- 12000- 13000- 14000- 15000- 16000- 17000- 18000- 19000- 20000- 21000- 22000- 23000- 24000- 25000- 26000+
CHIEF PHYSICAL PLANT ADMIN.	16				3	4
ASSOCIATE ADMIN.	7				3	4
ASSISTANT ADMIN.	10				4	2
PRINCIPAL PLANNER	2				;	1
PRINCIPAL CONSTR. ENGINEER	7				5	2
CHIEF ENGRS. (MECH, ELEC, CIVIL)	9				1	7
UTILITY OR POWER PLANT SUPT.	10				1	1
SHOP SUPT. (MAINT.)	13				2	1
CUSTODIAL SUPT.	14				2	1
GROUNDS SUPT.	15				3	2
SKILLED TRADES FOREMAN	15				1	2
CUSTODIAL FOREMAN	15				1	3
POWER PLANT EQUIP OPERATORS	9				4	4
SKILLED TRADESMEN (PLUMBER, ELEC, ETC.)	16				4	4
SKILLED GARDENERS	15				1	5
CUSTODIANS	17				6	3
SKILLED LABOR	15				7	1

DO YOU BILL FRINGE AND OVERHEAD COST TO OTHER DEPARTMENTS? YES 6 NO 11PERCENTAGE MARKUP: 1-10% 1 11-20% 2 21-35% 2 36+% 1

WAGE RATES - CENTRAL REGION  
(WAGE RATES SHOWN IN THOUSANDS)

ENROLL F.T.E.	SCHOOL NUMBER	CHIEF	ASSOC	ASST	PRIN	CONST	CHIEF	UTIL	MAINT	CUST	GRNDS	TRADE	SKILL	UTIL	EQUIP	SKILL	SKILL	SKILL	SKILL	MARKUP PERCENT
		ADMIN	ADMIN	ADMIN	PLAN	ENGR	ENGR	SUPT	SUPT	SUPT	SUPT	FORE	FOR	OPER	TRADE	GARD	CUST	LABOR		
282	135	14-17	11-14		7-8	9-11	7-8	6-7	7-8	5-6	7-8	7-8	0-5	0-5	0-5	0-5	0-5	0-5	15	
500	133	17-20	9-11		9-11	9-11	8-9	8-9	9-11	5-6	9-11	9-11	0-5	0-5	0-5	0-5	0-5	0-5	12	
3219	134	20-24			7-8	6-7	5-6	6-7	5-6	6-7	5-6	7-8	5-6	5-6	5-6	5-6	5-6	5-6	6-7	
3412	14	11-14	9-11		11-14	9-11	7-8	7-8	7-8	6-7	6-7	6-7	0-5	0-5	0-5	0-5	0-5	0-5	15	
3748	22	17-20	9-11		11-14	9-11	7-8	6-7	6-7	6-7	6-7	6-7	0-5	0-5	0-5	0-5	0-5	0-5	15	
3952	23	14-17	6-7		11-14	9-11	7-8	6-7	6-7	0-5	5-6	6-7	0-5	0-5	0-5	0-5	0-5	0-5	0-5	
5724	39	14-17	11-14	11-14	11-14	9-11	9-11	8-9	9-11	8-9	8-9	7-8	7-8	7-8	7-8	7-8	7-8	7-8	27	
5943	132	17-20			11-14	11-14	11-14	11-14	11-14	9-11	9-11	9-11	7-8	5-6	5-6	5-6	5-6	5-6	0-5	
6701	130	17-20			14-17	9-11	9-11	9-11	9-11	8-9	9-11	9-11	8-9	8-9	8-9	8-9	8-9	8-9	10	
7983	41	17-20			14-17	14-17	9-11	9-11	9-11	8-9	9-11	9-11	7-8	6-7	6-7	6-7	6-7	6-7	5	
8995	129	20-24			14-17	14-17	9-11	9-11	9-11	8-9	6-7	6-7	5-6	5-6	5-6	5-6	5-6	5-6	0-5	
9196	36	17-20			11-14	9-11	11-14	8-9	11-14	8-9	11-14	7-8	7-8	7-8	7-8	7-8	7-8	0-5	27	
9231	131	14-17	14-17	7-8	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	7-8	8-9	8-9	8-9	8-9	8-9	20	
14407	50	14-17	20-24	8-9	9-11	11-14	9-11	7-8	11-14	9-11	7-8	11-14	9-11	5-6	7-8	9-11	0-5	0-5	10	
18196	65	24-28			17-20	14-17	14-17	11-14	11-14	9-11	11-14	9-11	6-7	8-9	8-9	8-9	8-9	8-9	0-5	
22212	77	20-24	17-20	11-14	11-14	9-11	14-17	11-14	9-11	9-11	9-11	9-11	6-7	7-8	7-8	7-8	7-8	7-8	30	

## WAGE RATES SUMMARY - CENTRAL REGION

JOB DESCRIPTION	# OF SCHOOLS REPORTING	ANNUAL RATE					
		0- 5000	5000- 6000	6000- 7000	7000- 8000	8000- 9000	9000- 10000
CHIEF PHYSICAL PLANT ADMIN.	16					1	5
ASSOCIATE ADMIN.	6				2	1	1
ASSISTANT ADMIN.	12		1	1	1	1	1
PRINCIPAL PLANNER	4				2	1	1
PRINCIPAL CONSTR. ENGINEER	3				1	2	
CHIEF ENGRS. (MECH, ELEC, CIVIL)	5				2	2	1
UTILITY OR POWER PLANT SUPT.	13				2	1	2
SHOP SUPT. (MAINT.)	13				2	1	7
CUSTODIAL SUPT.	10			3	2	2	3
GROUNDS SUPT.	14		1	3	1	2	5
SKILLED TRADES FOREMAN	13			1	4	1	7
CUSTODIAL FOREMAN	15	1	5	5	1	2	1
POWER PLANT EQUIP. OPERATORS	13	1	3	2	4	2	1
SKILLED TRADESMEN (PLUMBER, ELEC, ETC.)	16		1	3	6	4	2
SKILLED GARDENERS	13	6	6		1		
CUSTODIANS	16	12	4				
SKILLED LABOR	14	6	2	5	1		

DO YOU BILL FRINGE AND OVERHEAD COST TO OTHER DEPARTMENTS? YES 10 NO 6  
 PERCENTAGE MARKUP : 1-10% 3 11-20% 4 21-35% 3 36+% 0

WAGE RATES - ROCKY MOUNTAIN REGION  
(WAGE RATES SHOWN IN THOUSANDS)

ENROLL. F.T.E.	SCHOOL NUMBER	CHIEF	ASSOC	PRIN	CONST	CHIEF	UTIL	MAINT	CUST	GRNDS	SKILL	UTIL	EQUIP	SKILL	SKILL	SKILL	MARKUP PERCENT
		ADMIN	ADMIN	PLAN	ENGR	ENGRS	SUPT	SUPT	SUPT	FORE	TRADE	FORE	OPER	TRADE	GARD	CUST	LABOR
1812	90	14-17	11-14	8-9	8-9	9-11	6-7	6-7	8-9	5-6	5-6	6-7	6-7	6-7	6-7	6-7	
3088	89	11-14	8-9	11-14	9-11	8-9	7-8	7-8	9-11	7-8	6-7	7-8	6-7	6-7	6-7	6-7	
3153	91	14-17	11-14	8-9	11-14	6-7	8-9	8-9	7-8	8-9	7-8	0-5	0-5	0-5	0-5	5-6	
3695	24	11-14	8-9	14-17	11-14	9-11	8-9	6-7	8-9	6-7	6-7	5-6	0-5	0-5	0-5	0-5	
4500	103	17-20	8-9	11-14	9-11	9-11	8-9	7-8	7-8	8-9	8-9	9-11	9-11	9-11	9-11	11	
5769	92	11-14	11-14	14-17	11-14	11-14	11-14	8-9	9-11	9-11	7-8	8-9	8-9	11-14	6-7	15	
6451	85	17-20	11-14	14-17	14-17	11-14	11-14	9-11	9-11	9-11	5-6	5-6	7-8	0-5	0-5	10	
7800	88	17-20	11-14	14-17	14-17	11-14	9-11	9-11	9-11	8-9	7-8	8-9	8-9	8-9	0-5	5-6	
7962	104	17-20	9-11	11-14	17-20	14-17	14-17	11-14	9-11	11-14	6-7	9-11	9-11	6-7	0-5	42	
20104	72	17-20	11-14	9-11	11-14	11-14	11-14	11-14	14-17	11-14	9-11	7-8	8-9	8-9	6-7	5-6	
																30	

## WAGE RATES SUMMARY - ROCKY MOUNTAIN REGION

JOB DESCRIPTION	# OF SCHOOLS REPORTING	ANNUAL RATE
CHIEF PHYSICAL PLANT ADMIN.	8	
ASSOCIATE ADMIN.	2	
ASSISTANT ADMIN.	3	
PRINCIPAL PLANNER	2	
PRINCIPAL CONSTR. ENGINEER	3	
CHIEF ENGRS. (MECH, ELEC, CIVIL)	4	
UTILITY OR POWER PLANT SUPT.	5	
SHOP SUPT. (MAINT.)	5	
CUSTODIAL SUPT.	8	
GROUNDS SUPT.	7	
SKILLED TRADES FOREMAN	6	
CUSTODIAL FOREMAN	7	
POWER PLANT EQUIP. OPERATORS	7	
SKILLED TRADESMEN (PLUMBER, ELEC, ETC.)	8	
SKILLED GARDENERS	8	
CUSTODIANS	8	
SKILLED LABOR	7	

DO YOU BILL FRINGE AND OVERHEAD COST TO OTHER DEPARTMENTS? YES 3 NO 5  
 PERCENTAGE MARKUP: 1-10% 1 11-20% 1 21-35% 1 36+% 0

### WAGE RATES - WEST COAST REGION (WAGE RATES SHOWN IN THOUSANDS)

## WAGE RATES SUMMARY - WEST COAST REGION

JOB DESCRIPTION	# OF SCHOOLS REPORTING	ANNUAL RATE
CHIEF PHYSICAL PLANT ADMIN.	28	
ASSOCIATE ADMIN.	11	
ASSISTANT ADMIN.	22	
PRINCIPAL PLANNER	18	
PRINCIPAL CONSTR. ENGINEER	15	
CHIEF ENGRS. (MECH, ELEC, CIVIL)	17	
UTILITY OR POWER PLANT SUPT.	23	
SHOP SUPT. (MAINT.)	24	
CUSTODIAL SUPT.	28	
GROUNDS SUPT.	22	
SKILLED TRADES FOREMAN	27	
CUSTODIAL FOREMAN	27	
POWER PLANT EQUIP. OPERATORS	24	
SKILLED TRADESMEN (PLUMBER, ELEC, ETC.)	28	
SKILLED GARDENERS	24	
CUSTODIANS	28	
SKILLED LABOR	27	
		28000+
		28000
		24000-
		24000
		20000-
		20000
		17000-
		17000
		14000-
		14000
		11000-
		9000-
		8000
		7000-
		6000-
		5000-
		5000
		0-

DO YOU BILL FRINGE AND OVERHEAD COST TO OTHER DEPARTMENTS? YES 16 NO 12  
 PERCENTAGE MARKUP: 1-10% 3 11-20% 2 21-35% 6 36+% 5

WAGE RATES SUMMARY - ALL REGIONS

**DO YOU BILL FRINGE AND OVERHEAD COST TO OTHER DEPARTMENTS?** YES 58 NO 50

WAGE RATES - 0-3000 F.T.E.  
(WAGE RATES SHOWN IN THOUSANDS)

ENROLL F.T.E.	SCHOOL NUMBER	CHIEF ADMIN	ASSST ADMIN	PRIN PLAN	CONST ENGR	CHIEF ENGRS	UTIL SUPT	MAINT SUPT	CUST SUPT	GRNDS SUPT	SKILL TRADE	UTIL FORE	EQUIP OPER	SKILL TRADE	SKILL GARD	CUST LABOR	MARKUP PERCENT
		61	25	17-20	14-17	11-14	6-7	9-11	7-8	6-7	7-8	7-8	7-8	0-5	0-5	6-7	15
200	61	17-20	14-17	11-14	6-7	9-11	7-8	6-7	7-8	5-6	7-8	7-8	0-5	0-5	6-7	6-7	
222	25	9-11	14-17	11-14	7-8	9-11	7-8	7-8	7-8	6-7	6-7	6-7	5-6	5-6	5-6	5-6	
282	135	14-17	11-14	9-11	9-11	9-11	7-8	6-7	8-9	6-7	5-6	8-9	6-7	5-6	5-6	5-6	
388	67	11-14	6-7	14-17	11-14	11-14	9-11	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	
400	66	17-20	9-11	11-14	14-17	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	
500	133	2	14-17	11-14	9-11	11-14	14-17	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	
560	729	17	11-14	11-14	9-11	9-11	9-11	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	
730	141	9-11	8-9	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	
875	19	9-11	8-9	9-11	9-11	9-11	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	
897	97	11-14	7-8	24-28	14-17	14-17	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	
900	143	11-14	6-7	14-17	14-17	14-17	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	
910	80	11-14	9-11	14-17	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	
952	98	20-24	9-11	11-14	11-14	11-14	14-17	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
983	63	17-20	14-17	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	
1002	142	20-24	14-17	11-14	11-14	11-14	14-17	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
1030	1	11-14	11-14	9-11	11-14	11-14	14-17	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	
1080	31	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	
1100	53	17-20	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
1130	84	17-20	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
1200	68	17-20	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
1200	47	17-20	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
1265	18	1267	94	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
1300	123	126	9-11	17-20	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	
1301	60	11-14	14-17	0-5	11-14	6-7	6-7	6-7	6-7	6-7	6-7	6-7	6-7	6-7	6-7	6-7	
1568	3	1584	105	17-20	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	
1592	124	126	9-11	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
1600	95	17-20	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
1754	83	11-14	7-8	14-17	11-14	11-14	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	
1812	90	137	9-11	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	8-9	
1817	137	14-17	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
1866	13	138	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
2000	107	17-20	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
2117	42	17-20	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
2148	37	17-20	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
2292	140	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	
2458	62	17-20	8-9	14-17	17-20	20-24	20-24	20-24	20-24	20-24	20-24	20-24	20-24	20-24	20-24	20-24	
2500	33	24-28	24-28	20-24	17-20	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	
2629	64	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	
2700	58	14-17	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	

## WAGE RATES SUMMARY - 0-3000 F.T.E.

JOB DESCRIPTION	# OF SCHOOLS REPORTING	ANNUAL RATE
CHIEF PHYSICAL PLANT ADMIN.	39	28000+
ASSOCIATE ADMIN.	5	24000-
ASSISTANT ADMIN.	21	20000-
PRINCIPAL PLANNER	8	17000-
PRINCIPAL CONSTR. ENGINEER	9	14000-
CHIEF ENGRS. (MECH, ELEC, CIVIL)	8	11000-
UTILITY OR POWER PLANT SUPT.	24	9000-
SHOP SUPT. (MAINT.)	17	8000-
CUSTODIAL SUPT.	27	7000-
GROUNDS SUPT.	29	6000-
SKILLED TRADES FOREMAN	28	5000-
CUSTODIAL FOREMAN	28	4000-
POWER PLANT EQUIP. OPERATORS	26	3000-
SKILLED TRADESMEN (PLUMBER, ELEC, ETC.)	36	2000-
SKILLED GARDENERS	29	11000-
CUSTODIANS	36	17000-
SKILLED LABOR	32	14000-

DO YOU BILL FRINGE AND OVERHEAD COST TO OTHER DEPARTMENTS? YES 9 NO 30  
 PERCENTAGE MARKUP: 1-10% 1 11-20% 4 21-35% 4 36+% 0

WAGE RATES - 3000-6000 F.T.E.  
(WAGE RATES SHOWN IN THOUSANDS)

ENROLL F.T.E.	SCHOOL NUMBER	CHIEF	ASSOC	ASST	PRIN	CONST	CHIEF	UTIL	MAINT	CUST	GRNDS	SKILL	UTIL	EQUIP	SKILL	SKILL	SKILL	MARKUP PERCENT
		ADMIN	ADMIN	ADMIN	PLAN	ENGR	ENGR	SUPT	SUPT	SUPT	SUPT	FORE	OPER	TRADE	GARD	CUST	LABOR	
3088	89	11-14					8-9	11-14	7-8	9-11	8-9	7-8	9-11	7-8	6-7	6-7	5-6	
3147	20	14-17					6-7	11-14	8-9	9-11	7-8	0-5	5-6	5-6	0-5	0-5	5-6	
3153	91	14-17						11-14	7-8			8-9	7-8	0-5	0-5	0-5	5-6	
3192	73	14-17										6-7	5-6	0-5	0-5	0-5	8-9	
3219	134	20-24																
3412	14	11-14	9-11															
3695	24	11-14																
3748	22	17-20	9-11															
3854	16	14-17																
3865	75	14-17	6-7															
3952	23	14-17																
4000	12	17-20	11-14															
4409	30	17-20	14-17	11-14	9-11													
4500	103	17-20	8-9	14-17	11-14	9-11												
4800	15	11-14																
4948	27	20-24	17-20	17-20														
4995	117	11-14																
5000	101	11-14	11-14															
5223	86	17-20	14-17															
5296	5	20-24	14-17	11-14	14-17	9-11												
5590	32	14-17	11-14															
5724	39	14-17	11-14															
5769	92	11-14																
5943	132	17-20	11-14															
6000	70	17-20	11-14	9-11														

## WAGE RATES SUMMARY - 3000-6000 F.T.E.

JOB DESCRIPTION	# OF SCHOOLS # OF REPORTING	ANNUAL RATE					
		\$000-	\$000-	\$000-	\$000-	\$000-	\$000+
CHIEF PHYSICAL PLANT ADMIN.	25					7	8
ASSOCIATE ADMIN.	9				2	4	2
ASSISTANT ADMIN.	10	1	1	1	5	1	1
PRINCIPAL PLANNER	5			1	2	1	1
PRINCIPAL CONSTR. ENGINEER	6				2	4	
CHIEF ENGRS. (MECH, ELEC, CIVIL)	8				4	1	3
UTILITY OR POWER PLANT SUPT.	16	1	1	2	8	3	1
SHOP SUPT. (MAINT.)	17			3	2	7	4
CUSTODIAL SUPT.	22	4	2	8	5	2	1
GROUNDS SUPT.	21	1	3	1	7	6	2
SKILLED TRADES FOREMAN	17	1	3	2	9	2	
CUSTODIAL FOREMAN	22	1	3	8	4	2	4
POWER PLANT EQUIP. OPERATORS	21	2	3	1	5	3	7
SKILLED TRADESMEN (PLUMBER, ELEC, ETC.)	24		3	3	6	3	1
SKILLED GARDENERS	20	3	8	4	3	2	
CUSTODIANS	25	9	7	6	2	1	
SKILLED LABOR	23	3	6	7	3	4	

DO YOU BILL FRINGE AND OVERHEAD COST TO OTHER DEPARTMENTS? YES 9 NO 16  
 PERCENTAGE MARKUP: 1-10% 1 11-20% 5 21-35% 3 36+% 0

WAGE RATES - 6000-10000 F.T.E.  
(WAGE RATES SHOWN IN THOUSANDS)

ENROLL F.T.E.	SCHOOL NUMBER	SKILL										SKILL										MARKUP PERCENT
		CHIEF ASSOC ADMIN	ASSST ADMIN	PRIN PLAN	CONST ENGR	CHIEF ENGR	UTIL SUPT	MAINT SUPT	CUST SUPT	GRNDS SUPT	TRADE FORE	CUST FORE	EQUIP OPER	SKILL TRADE	SKILL GARD	CUST LABOR	SKILL GARD	SKILL LABOR				
6070	102	20-24	17-20	14-17	17-20	14-17	11-14	11-14	9-11	8-9	7-8	8-9	7-8	6-7	5-6	5-6	5-6	5-6	5-6	5-6	46	
6420	21	17-20	11-14	11-14	11-14	9-11	9-11	9-11	9-11	8-9	9-11	9-11	9-11	9-11	7-8	6-7	7-8	0-5	0-5	0-5	10	
6451	85	17-20	14-17	14-17	11-14	11-14	8-9	8-9	9-11	9-11	9-11	9-11	9-11	9-11	7-8	0-5	0-5	0-5	0-5	0-5	10	
6701	130	17-20																				
6740	40																					
6745	38																					
6991	139	14-17	14-17	11-14	11-14	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	7-8	7-8	7-8	6-7	6-7	6-7	5-6	
7241	44	14-17	14-17	11-14	11-14	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	7-8	7-8	7-8	0-5	0-5	0-5	18	
7391	9	24-28		9-11	17-20	14-17	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	7-8	6-7	6-7	5-6	5-6	5-6	6-7	
7400	96	20-24	14-17	8-9	11-14	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	6-7	7-8	7-8	0-5	0-5	0-5	5-6	
7757	7	17-20	11-14	17-20															6-7	6-7	6-7	8
7800	88	17-20	11-14																			5-6
7962	104	17-20		9-11	17-20	14-17	14-17	11-14	9-11	9-11	9-11	9-11	9-11	9-11	6-7	7-8	7-8	0-5	0-5	0-5	5-6	
7983	41	17-20		14-17																		42
8000	106	20-24	17-20	11-14	17-20																	5
8500	34	14-17																				10
8577	45	24-28																				43
8792	125	14-17	9-11																			50
8966	136	17-20	11-14																			8-9
8995	129	20-24	14-17	14-17	9-11	9-11	8-9	8-9	11-14	6-7	6-7	6-7	6-7	6-7	6-7	6-7	6-7	6-7	6-7	6-7	6-7	
9196	36	17-20	11-14	9-11	11-14	8-9	11-14	9-11	9-11	7-8	7-8	9-11	9-11	9-11	6-7	5-6	5-6	0-5	0-5	0-5	27	
9231	131	14-17	14-17	7-8	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	7-8	8-9	8-9	0-5	0-5	0-5	20	
9275	127	14-17	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	7-8	11-14	11-14	6-7	6-7	6-7	20	
9767	122	14-17	14-17	14-17	17-20	14-17	14-17	11-14	9-11	9-11	9-11	9-11	9-11	9-11	7-8	17-20	17-20	9-11	9-11	9-11	20	
9800	6	17-20	11-14	11-14	14-17	14-17	9-11	9-11	6-7	9-11	9-11	9-11	9-11	9-11	6-7	5-6	5-6	0-5	0-5	0-5	5	
9804	115	14-17	14-17	11-14	9-11	9-11	9-11	9-11	8-9	9-11	9-11	9-11	9-11	9-11	6-7	8-9	8-9	0-5	0-5	0-5	33	
10000	43	24-28	20-24																			6-7

## WAGE RATES SUMMARY - 6000-10000 F.T.E.

JOB DESCRIPTION	# OF SCHOOLS REPORTING	ANNUAL RATE
CHIEF PHYSICAL PLANT ADMIN.	24	
ASSOCIATE ADMIN.	13	
ASSISTANT ADMIN.	13	
PRINCIPAL PLANNER	11	
PRINCIPAL CONTRSTR. ENGINEER	11	
CHIEF ENGRS. (MECH., ELEC., CIVIL)	13	
UTILITY OR POWER PLANT SUPT.	23	
SHOP SUPT. (MAINT.)	18	
CUSTODIAL SUPT.	22	
GROUNDS SUPT.	22	
SKILLED TRADES FOREMAN	25	
CUSTODIAL FOREMAN	24	
POWER PLANT EQUIP. OPERATORS	21	
SKILLED TRADESMEN (PLUMBER, ELEC., ETC.)	25	
SKILLED GARDENERS	24	
CUSTODIANS	25	
SKILLED LABOR	22	
		28000+
		28000
		24000
		24000-
		20000
		17000-
		14000-
		11000-
		9000-
		8000-
		7000-
		6000-
		5000-
		0-

DO YOU BILL FRINGE AND OVERHEAD COST TO OTHER DEPARTMENTS? YES 14 NO 11  
 PERCENTAGE MARKUP: 1-10% 5 11-20% 3 21-35% 2 36+% 4

WAGE RATES - 10000-16000 F.T.E.  
(WAGE RATES SHOWN IN THOUSANDS)

ENROLL F.T.E.	SCHOOL NUMBER	CHIEF	ASSOC	PRIN	CONST	CHIEF	UTIL	MAIN	CUST	GRNDS	SKILL	UTIL	EQUIP	SKILL	SKILL	SKILL	MARKUP PERCENT
		ADMIN	ADMIN	PLAN	ENGR	SUFT	SUPT	SUPT	SUPT	FORE	TRADE	FORE	OPER	TRADE	GARD	CUST	LABOR
10076	108	24-28	14-17	11-14	14-17	14-17	11-14	11-14	8-9	7-8	8-9	6-7	9-11	5-6	6-7	0-5	
11070	28	14-17	11-14	11-14	11-14	11-14	9-11	9-11	9-11	11-14	8-9	6-7	9-11	7-8	6-7	8-9	
11079	8	17-20	14-17	11-14	9-11	14-17	11-14	9-11	9-11	11-14	6-7	11-14	8-9	5-6	5-6	6-7	
11112	116	17-20	14-17	9-11	11-14	14-17	11-14	9-11	9-11	11-14	8-9	9-11	11-14	7-8	7-8	7-8	
11567	49	20-24	14-17	11-14	14-17	11-14	14-17	11-14	9-11	14-17	9-11	7-8	7-8	8-9	6-7	0-5	
11666	87	20-24	11-14	20-24	14-17	11-14	11-14	11-14	9-11	9-11	8-9	6-7	7-8	0-5	0-5	0-5	
11762	10	24-28	20-24	14-17	11-14	11-14	11-14	11-14	8-9	8-9	9-11	7-8	8-9	9-11	6-7	6-7	
12500	59	20-24	14-17	14-17	14-17	14-17	11-14	11-14	9-11	9-11	11-14	9-11	11-14	6-7	6-7	55	
12591	35	20-24	14-17	14-17	14-17	14-17	11-14	14-17	14-17	14-17	11-14	14-17	11-14	6-7	6-7	55	
12778	120	14-17	17-20	14-17	17-20	11-14	9-11	7-8	9-11	8-9	6-7	6-7	8-9	6-7	5-6	49	
12883	119	17-20	14-17	14-17	17-20	11-14	9-11	9-11	11-14	9-11	8-9	6-7	8-9	6-7	5-6	17	
13150	56	20-24	14-17	14-17	11-14	17-20	11-14	11-14	9-11	9-11	9-11	9-11	11-14	14-17	9-11	7-8	
13733	11	17-20	14-17	11-14	14-17	11-14	11-14	11-14	14-17	14-17	11-14	11-14	14-17	9-11	7-8	11-14	
14407	50	14-17	20-24	8-9	9-11	11-14	9-11	7-8	11-14	9-11	5-6	7-8	9-11	0-5	0-5	30	
14525	93	20-24	11-14	11-14	11-14	11-14	9-11	8-9	9-11	9-11	7-8	7-8	5-6	5-6	5-6	10	
14913	99	17-20	14-17	14-17	14-17	11-14	11-14	9-11	11-14	9-11	8-9	7-8	8-9	6-7	6-7	25	
14972	118	20-24	14-17	11-14	11-14	11-14	9-11	14-17	11-14	11-14	7-8	7-8	7-8	6-7	0-5	25	
15635	29	17-20	14-17	11-14	11-14	11-14	11-14	11-14	9-11	8-9	7-8	5-6	5-6	0-5	0-5	38	
15813	26	17-20	14-17	11-14	11-14	8-9	11-14	9-11	9-11	8-9	7-8	9-11	6-7	0-5	0-5		
15910	55	14-17	14-17	11-14	11-14	11-14	8-9	11-14	9-11	11-14	6-7	6-7	6-7	5-6	5-6		

## WAGE RATES SUMMARY - 10000-16000 F.T.E.

JOB DESCRIPTION	# OF SCHOOLS	# OF REPORTING	ANNUAL RATE					
			7000-	8000-	9000-	10000-	11000-	12000+
CHIEF PHYSICAL PLANT ADMIN.	19						4	6
ASSOCIATE ADMIN.	10						1	7
ASSISTANT ADMIN.	18				1		7	2
PRINCIPAL PLANNER	10						3	
PRINCIPAL CONTRSTR. ENGINEER	10						4	
CHIEF ENGRS. (MECH, ELEC, CIVIL)	15						13	2
UTILI,Y OR POWER PLANT SUPT.	18				1	4	9	4
SHOP SUPT. (MAINT.)	16				1		3	9
CUSTODIAL SUPT.	19				1	3	12	1
GROUNDS SUPT.	17				1	2	8	5
SKILLED TRADES FOREMAN	19		2		3	8	5	1
CUSTODIAL FOREMAN	20	1	5	6	5	1	2	
POWER PLANT EQUIP. OPERATORS	19	1	3	6	3	3	3	
SKILLED TRADESMEN (PLUMBER, ELEC, ETC.)	20	2	2	3	5	2	1	
SKILLED GARDENERS	19	2	4	9	3	1		
CUSTODIANS	20	9	3	5	3			
SKILLED LABOR	19	6	4	5	1	2	1	

DO YOU BILL FRINGE AND OVERHEAD COST TO OTHER DEPARTMENTS? YES 10 NO 10  
 PERCENTAGE MARKUP: 1-10% 3 11-20% 2 21-35% 2 36+% 3

WAGE RATES - 16000-22000 F.T.E.  
(WAGE RATES SHOWN IN THOUSANDS)

SCHOOL NUMBER	ENROLL F.F.T.E.	CUST SKILL TRADE GARD										CUST LABOR		MARKUP PERCENT
		CHIEF ASSOC ADMIN	ASSST ADMIN	PRIN PLAN	CONST ENGR	CHIEF ENGRS	UTIL SUPT	MAINT SUPT	CUST SUPT	GRNDS SUPT	SKILL FORE	EQUIP OPER	UTIL FORE	
111	17000	17-20	11-14	14-17	11-14	9-11	9-11	11-14	11-14	7-8	8-9	11-14	8-9	7-8
54	17000	24-28	17-20	14-17	20-24	17-20	14-17	17-20	11-14	8-9	9-11	8-9	6-7	8-9
48	17000	17-20	14-17	28+	11-14	11-14	8-9	9-11	9-11	7-8	11-14	9-11	5-6	8-9
57	17340	20-24	17-20	11-14	11-14	14-17	11-14	11-14	9-11	7-8	8-9	11-14	7-8	5-6
51	17805	20-24	17-20	11-14	11-14	9-11	9-11	11-14	9-11	7-8	7-8	11-14	7-8	5-6
109	18000	17-20	14-17	17-20	14-17	14-17	9-11	9-11	11-14	9-11	7-8	9-11	9-11	6-7
65	18196	24-28	17-20	11-14	11-14	11-14	9-11	9-11	11-14	9-11	6-7	8-9	8-9	0-5
46	18271	20-24	17-20	11-14	11-14	11-14	11-14	11-14	9-11	11-14	9-11	9-11	9-11	8-9
52	18500	17-20	11-14	11-14	17-20	11-14	11-14	11-14	11-14	9-11	9-11	9-11	9-11	7-8
112	19266	20-24	14-17	14-17	14-17	11-14	14-17	11-14	9-11	11-14	11-14	7-8	11-14	8-9
110	19372	20-24	17-20	14-17	14-17	11-14	14-17	11-14	11-14	11-14	8-9	9-11	9-11	6-7
71	19430	20-24	20-24	17-20	17-20	17-20	11-14	11-14	11-14	8-9	6-7	6-7	7-8	5-6
69	19502	20-24	20-24	17-20	14-17	11-14	14-17	14-17	11-14	11-14	7-8	8-9	8-9	5-6
72	20104	17-20	11-14	9-11	11-14	11-14	14-17	11-14	11-14	9-11	9-11	7-8	8-9	6-7
100	20741	17-20	14-17	14-17	11-14	11-14	11-14	11-14	11-14	11-14	9-11	7-8	8-9	5-6
114	21295	17-20	14-17	9-11	11-14	17-20	17-20	11-14	11-14	11-14	9-11	11-14	9-11	6-7

## WAGE RATES SUMMARY - 16000-22000 F.T.E.

JOB DESCRIPTION	ANNUAL RATE					
	0-	5000-	10000-	15000-	20000-	25000+
CHIEF PHYSICAL PLANT ADMIN.	14				6	6
ASSOCIATE ADMIN.	8			2	2	1
ASSISTANT ADMIN.	11		2	3	3	
PRINCIPAL PLANNER	7			1	1	2
PRINCIPAL CONSTR. ENGINEER	7			2	2	1
CHIEF ENGRS. (MECH, ELEC, CIVIL)	12			6	3	3
UTILITY OR POWER PLANT SUPT.	13			8	4	1
SHOP SUPT. (MAINT.)	14			1	8	3
CUSTODIAL SUPT.	15		1	5	7	2
GROUND'S SUPT.	15			6	8	1
SKILLED TRADES FOREMAN	15		1	1	4	9
CUSTODIAL FOREMAN	15	2	5	3	4	1
POWER PLANT EQUIP. OPERATORS	13	1	3	4	4	1
SKILLED TRADESMEN (PLUMBER, ELEC, ETC.)	15		2	6	4	3
SKILLED GARDENERS	14	2	4	2	6	
CUSTODIANS	15	1	6	4	3	1
SKILLED LABOR	14	1	4	3	3	3

# OF SCHOOLS REPORTING

DO YOU BILL FRINGE AND OVERHEAD COST TO OTHER DEPARTMENTS? YES 9 NO 6  
 PERCENTAGE MARKUP: 1-10% 2 11-20% 3 21-35% 3 36+% 1

WAGE RATES - 22000+ F.T.E.  
(WAGE RATES SHOWN IN THOUSANDS)

ENROLL F.T.E.	SCHOOL NUMBER	CHIEF	ASSOC	ASST	PRIN	CONST	CHIEF	UTIL	Maint	CUST	GRNDS	TRADE	UTIL	EQUIP	SKILL	SKILL	SKILL	MARKUP PERCENT	
		ADMIN	ADMIN	ADMIN	PLAN	ENGR	SUPT	SUPT	SUPT	FORE	FORE	FORE	OPER	TRADE	GARD	CUST	LABOR		
22212	77	20-24	17-20	11-14	11-14	9-11	14-17	11-14	9-11	9-11	9-11	6-7	7-8	8-9	7-8	0-5	6-7	30	
22548	128	20-24	14-17	9-11	14-17	9-11	11-14	9-11	11-14	9-11	14-17	17-20	8-9	8-9	14-17	8-9	7-8	9-11	20
23000	74	20-24	14-17	11-14	11-14	11-14	11-14	11-14	11-14	9-11	9-11	9-11	8-9	8-9	8-9	7-8	5-6	7-8	20
25548	76	20-24	17-20	11-14	14-17	14-17	14-17	14-17	14-17	11-14	14-17	14-17	8-9	8-9	8-9	7-8	5-6	7-8	20
25582	113	28+	20-24	20-24	17-20	17-20	17-20	17-20	17-20	14-17	14-17	14-17	14-17	14-17	14-17	7-8	7-8	11-14	15
27597	4	24-28	20-24	20-24	17-20	17-20	14-17	11-14	14-17	11-14	14-17	11-14	9-11	8-9	8-9	7-8	6-7	7-8	
29428	78	24-28	17-20	17-20	11-14	14-17	14-17	14-17	14-17	11-14	14-17	11-14	9-11	6-7	8-9	9-11	6-7	5-6	0-5
29500	79	20-24	17-20	17-20	17-20	17-20	17-20	17-20	17-20	14-17	14-17	11-14	7-8	8-9	9-11	9-11	7-8	9-11	33
32677	121	20-24	17-20	17-20	14-17	17-20	17-20	17-20	17-20	14-17	14-17	14-17	14-17	11-14	14-17	9-11	6-7	9-11	29
36826	81	28+	20-24	17-20	20-24	17-20	20-24	17-20	20-24	14-17	14-17	11-14	17-20	9-11	11-14	11-14	5-6	8-9	
39592	82	28+	20-24	14-17	20-24	14-17	17-20	14-17	17-20	14-17	17-20	11-14	9-11	8-9	8-9	7-8	9-11	5-6	

## WAGE RATES SUMMARY - 22000+ F.T.E.

JOB DESCRIPTION	# OF SCHOOLS REPORTING	ANNUAL RATE
CHIEF PHYSICAL PLANT ADMIN.	11	
ASSOCIATE ADMIN.	9	
ASSISTANT ADMIN.	9	
PRINCIPAL PLANNER	10	
PRINCIPAL CONSTR. ENGINEER	9	
CHIEF ENGRS. (MECH, ELEC, CIVIL)	11	
UTILITY OR POWER PLANT SUPT.	11	
SHOP SUPT. (MAINT.)	11	
CUSTODIAL SUPT.	11	
GROUNDS SUPT.	11	
SKILLED TRADES FOREMAN	11	
CUSTODIAL FOREMAN	11	
POWER PLANT EQUIP. OPERATORS	10	
SKILLED TRADESMEN (PLUMBER, ELEC, ETC.)	11	
SKILLED GARDENERS	11	
CUSTODIANS	11	
SKILLED LABOR	11	
		28000+
		28000-
		24000-
		24000
		20000-
		17000-
		17000
		14000-
		14000
		11000-
		11000
		9000-
		9000
		8000-
		8000
		7000-
		7000
		6000-
		6000
		5000-
		5000
		0-
		REPORTING
		# OF SCHOOLS

DO YOU BILL FRINGE AND OVERHEAD COST TO OTHER DEPARTMENTS? YES 7 NO 4  
 PERCENTAGE MARKUP: 1-10% 0 11-20% 3 21-35% 3 36+% 1

WAGE RATES BY TOP LEVEL OF ACADEMIC PROGRAM - 2 YEAR  
(WAGE RATES SHOWN IN THOUSANDS)

ENROLL F.T.E.	SCHOOL NUMBER	CHIEF	ASSOC	PRIN	CONST	CHIEF	UTIL	MAIN	CUST	SKILL	UTIL	EQUIP	SKILL	SKILL	SKILL	MARKUP PERCENT
		ADMIN	ADMIN	PLAN	ENGR	ENGRS	SUPT	SUPT	SUPT	GRNDS	TRADE	FORE	OPER	TRADE	GARD	CUST
400	66	14-17	6-7	9-11	11-14	14-17	9-11	8-9	7-8	6-7	6-7	5-6	8-9	6-7	5-6	5-6
560	2	14-17	11-14	9-11	11-14	14-17	9-11	8-9	6-7	8-9	6-7	7-8	8-9	5-6	5-6	6-7
875	19	9-11	14-17	17-20	14-17	11-14	9-11	9-11	9-11	9-11	9-11	7-8	7-8	7-8	7-8	5-6
3192	73	14-17	14-17	17-20	14-17	9-11	9-11	9-11	9-11	9-11	9-11	6-7	6-7	5-6	5-6	6-7
3854	16	14-17	17-20	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	8-9	8-9
4000	12	11-14	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	8-9	8-9
4800	15	11-14	11-14	11-14	11-14	9-11	9-11	8-9	8-9	7-8	6-7	6-7	5-6	5-6	5-6	7-8
5000	101	11-14	11-14	11-14	11-14	7-8	6-7	6-7	6-7	5-6	5-6	5-6	5-6	5-6	0-5	5-6
8966	136	17-20	11-14			9-11	9-11	9-11	9-11	6-7	6-7	9-11	7-8	7-8	6-7	

WAGE RATES BY TOP LEVEL OF ACADEMIC PROGRAM - 4 YEAR  
(WAGE RATES SHOWN IN THOUSANDS)

ENROLL F.T.E.	SCHOOL NUMBER	CHIEF	ASSOC	ASST	PRIN	CONST	CHIEF	UTIL	Maint	CUST	GRNDS	SKILL	UTIL	EQUIP	SKILL	SKILL	SKILL	SKILL	MARKUP PERCENT	
		ADMIN	ADMIN	ADMIN	PLAN	ENGR	SUPT	SUPT	SUPT	SUPT	TRADE	FORE	FORE	OPER	TRADE	GARD	CUST	LABOR		
222	25	9-11			9-11	6-7	9-11	8-9	9-11	9-11	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	
729	17	11-14			11-14	6-7	8-9	6-7	5-6	6-7	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	
730	141	11-14	7-8			9-11	9-11	8-9	7-8	8-9	7-8	7-8	7-8	6-7	6-7	6-7	6-7	6-7	5-6	
900	143	11-14				17-20	9-11	9-11	8-9	8-9	8-9	7-8	7-8	7-8	7-8	7-8	7-8	7-8	5-6	
952	98					14-17	11-14	9-11	11-14	14-17	9-11	8-9	8-9	6-7	6-7	6-7	6-7	6-7	5-6	
1002	142					11-14	9-11	9-11	9-11	11-14	11-14	8-9	8-9	7-8	7-8	7-8	7-8	7-8	5-6	
1030	1					17-20	11-14	11-14	11-14	14-17	9-11	7-8	6-7	6-7	6-7	6-7	6-7	6-7	6-7	
1100	53					11-14	9-11	9-11	9-11	9-11	9-11	8-9	8-9	7-8	7-8	7-8	7-8	7-8	5-6	
1130	84					17-20	11-14	11-14	17-20		11-14	9-11	11-14	11-14	9-11	9-11	9-11	9-11	9-11	
1200	68					11-14					9-11								25	
1265	18					11-14					7-8	9-11	6-7	6-7	6-7	6-7	6-7	6-7	30	
1267	94					11-14					9-11	9-11	5-6	5-6	5-6	5-6	5-6	5-6	10	
1275	126					9-11					9-11	9-11	6-7	6-7	6-7	6-7	6-7	6-7	20	
1300	123					17-20					9-11	9-11	6-7	6-7	6-7	6-7	6-7	6-7		
1301	60					11-14					8-9	8-9	6-7	6-7	6-7	6-7	6-7	6-7		
1592	124					9-11					7-8	7-8	7-8	7-8	6-7	6-7	6-7	6-7		
1754	83					11-14					6-7	6-7	6-7	6-7	5-6	5-6	5-6	5-6		
1817	137					9-11					8-9	8-9	7-8	7-8	6-7	6-7	6-7	6-7		
2148	37					17-20					8-9	9-11	7-8	8-9	7-8	8-9	8-9	8-9		
2458	62					11-14					14-17	9-11	11-14	9-11	11-14	9-11	9-11	9-11		
2629	64					11-14					9-11	11-14	9-11	8-9	7-8	6-7	6-7	6-7	14	
3865	75					14-17					11-14	9-11	8-9	8-9	9-11	8-9	8-9	8-9		
3952	23					14-17					9-11	7-8	6-7	6-7	0-5	5-6	6-7	6-7		
5223	86					17-20					14-17	14-17	9-11	11-14	9-11	9-11	9-11	9-11		
5769	92					11-14					9-11	11-14	9-11	7-8	7-8	8-9	11-14	6-7	10	
6451	85					17-20					14-17	14-17	11-14	8-9	9-11	9-11	5-6	5-6	10	
7400	96					20-24					14-17	8-9	11-14	11-14	9-11	8-9	6-7	7-8	8	
7800	88					17-20					11-14	14-17	11-14	9-11	9-11	8-9	7-8	8-9	5-6	
8500	34					11-14					11-14	11-14	11-14	9-11	9-11	8-9	8-9	6-7	43	
9767	122					14-17					14-17	17-20	14-17	14-17	11-14	11-14	9-11	17-20	9-11	20
12883	119					17-20					14-17	17-20	11-14	11-14	9-11	8-9	6-7	6-7	5-6	
19266	112					20-24					14-17	14-17	14-17	11-14	9-11	9-11	11-14	7-8	7-8	

WAGE RATES BY TOP LEVEL OF ACADEMIC PROGRAM - GRADUATE  
(WAGE RATES SHOWN IN THOUSANDS)

ENROLL F.T.E.	SCHOOL NUMBER	CHIEF	ASSOC	ASST	PRIN	CONST	CHIEF	UTIL	Maint	CUST	GRNDS	TRADE	SKILL	UTIL	SKILL	SKILL	SKILL	MARKUP
		ADMIN	ADMIN	ENGRS	PLAN	ENGR	SUPT	SUPT	FORE	FORE	OPER	TRADE	GARD	CUST	EQUIP	SKILL	LABOR	PERCENT
200	61	17-20	14-17		11-14		9-11	11-14	9-11	11-14	9-11	11-14	9-11	9-11	8-9	6-7	6-7	
388	67	11-14			9-11		7-8	7-8	6-7	6-7	6-7	6-7	6-7	6-7	5-6	5-6	5-6	
897	96	9-11			9-11	11-14	14-17	8-9	8-9	6-7	6-7	9-11	9-11	9-11	5-6	5-6	6-7	
983	63	20-24	9-11		11-14	14-17	11-14	11-14	11-14	6-7	6-7	6-7	6-7	6-7	5-6	5-6	8-9	
1080	31	20-24	14-17	11-14	17-20	20-24	17-20	11-14	9-11	9-11	11-14	8-9	9-11	9-11	7-8	7-8	7-8	
1200	47	17-20					11-14		5-6	5-6	8-9	7-8	7-8	5-6	5-6	5-6	6-7	
1568	3	14-17	0-5		6-7		5-6	7-8							5-6	0-5	0-5	
1584	105	17-20	11-14		9-11	11-14	8-9	8-9	9-11	6-7	6-7	7-8	6-7	6-7	0-5	0-5	5-6	
1812	90	14-17	11-14	11-14		8-9	8-9	7-8	8-9	7-8	6-7	6-7	8-9	5-6	5-6	6-7	6-7	
1866	13	14-17			9-11	9-11	7-8	7-8	9-11	6-7	5-6	6-7	6-7	5-6	5-6	0-5	0-5	
2000	107	17-20	11-14		9-11	9-11	7-8	7-8	9-11	6-7	8-9	7-8	7-8	6-7	5-6	5-6	6-7	
2000	138	11-14			9-11	9-11	7-8	7-8	9-11	6-7	6-7	6-7	7-8	6-7	5-6	5-6	6-7	
2292	140	11-14	9-11	9-11	24-28	20-24	17-20	8-9	7-8	6-7	6-7	0-5	5-6	0-5	0-5	0-5	16	
2500	33	24-28	24-28	20-24	17-20	20-24	17-20	20-24	17-20	14-17	11-14	14-17	14-17	11-14	9-11	9-11	10	
2700	58	14-17	9-11	11-14	11-14	11-14	11-14	11-14	9-11	8-9	8-9	8-9	7-8	8-9	6-7	6-7	32	
3088	89	11-14			8-9	11-14	7-8	8-9	9-11	7-8	7-8	7-8	7-8	7-8	6-7	6-7	6-7	
3153	91	14-17			9-11	9-11	8-9	8-9	9-11	7-8	7-8	7-8	7-8	7-8	0-5	0-5	5-6	
3219	134	20-24	9-11	11-14	9-11	9-11	8-9	8-9	9-11	7-8	7-8	7-8	7-8	7-8	0-5	0-5	5-6	
3412	14	11-14	9-11		9-11	9-11	7-8	6-7	6-7	5-6	6-7	5-6	6-7	5-6	5-6	5-6	5-6	
3695	24	11-14			9-11	9-11	8-9	8-9	6-7	6-7	6-7	6-7	6-7	6-7	5-6	5-6	5-6	
3748	22	17-20	9-11				7-8	7-8	8-9	6-7	6-7	6-7	6-7	6-7	5-6	5-6	5-6	
4500	103	17-20	8-9	14-17	11-14	9-11	9-11	8-9	8-9	8-9	8-9	8-9	8-9	9-11	5-6	5-6	15	
4948	27	20-24	17-20	17-20	14-17	14-17	11-14	14-17	14-17	9-11	7-8	7-8	7-8	8-9	5-6	5-6	14	
4995	117	11-14			9-11	8-9	8-9	8-9	8-9	8-9	8-9	8-9	7-8	6-7	5-6	5-6	15	
5590	32	14-17	11-14	11-14	9-11	9-11	8-9	8-9	9-11	9-11	6-7	6-7	6-7	6-7	6-7	6-7	18	
5724	39	14-17	11-14	11-14	9-11	9-11	8-9	8-9	9-11	8-9	8-9	7-8	7-8	5-6	0-5	6-7	27	
5943	132	17-20	11-14	11-14	11-14	11-14	9-11	9-11	7-8	5-6	5-6	7-8	7-8	0-5	0-5	0-5	10	
6000	70	17-20	11-14	9-11	9-11	9-11	8-9	8-9	9-11	8-9	8-9	9-11	9-11	7-8	6-7	5-6	5-6	
6420	21	17-20	11-14	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	8-9	7-8	6-7	5-6	
6701	130	17-20					8-9	8-9	8-9	8-9	8-9	8-9	8-9	7-8	5-6	5-6	5-6	
6740	40						9-11	9-11	9-11	9-11	9-11	9-11	9-11	8-9	7-8	5-6	5-6	
6745	38	14-17	11-14		11-14		9-11	9-11	9-11	8-9	8-9	7-8	7-8	7-8	5-6	5-6	46	
6991	139	14-17	14-17		11-14		11-14	9-11	9-11	8-9	8-9	8-9	8-9	8-9	6-7	5-6	5-6	
7983	41	17-20	14-17				9-11	9-11	8-9	9-11	9-11	5-6	7-8	7-8	6-7	0-5	6-7	
8000	106	20-24	17-20	11-14	17-20		9-11	9-11	9-11	7-8	6-7	6-7	6-7	6-7	0-5	0-5	5	
8792	125	14-17	9-11				11-14	9-11	8-9	11-14	7-8	9-11	11-14	7-8	7-8	7-8	10	
8995	129	20-24	14-17	14-17	9-11	9-11	8-9	8-9	11-14	8-9	6-7	6-7	6-7	5-6	5-6	0-5	27	
9196	36	17-20	11-14	9-11	11-14	11-14	8-9	8-9	9-11	9-11	7-8	7-8	9-11	6-7	0-5	0-5	20	
9231	131	14-17	14-17	7-8	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	7-8	8-9	5-6	5-6	
9275	127	14-17	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11	7-8	6-7	6-7	33	
9804	115	14-17	14-17	11-14	9-11	9-11	8-9	8-9	9-11	9-11	8-9	8-9	8-9	0-5	0-5	0-5	33	

WAGE RATES BY TOP LEVEL OF ACADEMIC PROGRAM - GRADUATE  
(WAGE RATES SHOWN IN THOUSANDS)

ENROLL. F.T.E.	SCHOOL NUMBER	CHIEF ADMIN	ASSOC ADMIN	PRIN PLAN	CONST ENGR	CHIEF ENGRS	UTIL SUPT	MAINT SUPT	CUST SUPT	GRNDS SUPT	SKILL TRADE	CUST FORE	UTIL FORE	EQUIP OPER	SKILL GARD	CUST LABOR	SKILL GARD	MARKUP PERCENT
		11-12	11-12	11-12	11-12	11-12	11-12	11-12	11-12	11-12	11-12	11-12	11-12	11-12	11-12	11-12	11-12	11-12
11070	28	14-17	11-14	11-14	11-14	11-14	14-17	11-14	9-11	9-11	11-14	8-9	9-11	9-11	7-8	6-7	8-9	10
11112	116	17-20	14-17	9-11	14-17	11-14	14-17	11-14	9-11	9-11	14-17	9-11	7-8	7-8	7-8	7-8	7-8	7-8
11567	45	20-24	14-17	11-14	11-14	11-14	14-17	11-14	9-11	9-11	14-17	9-11	7-8	8-9	6-7	0-5	0-5	15
11666	87	20-24	11-14	11-14	11-14	11-14	9-11	9-11	9-11	9-11	8-9	6-7	6-7	7-8	0-5	0-5	0-5	17
12778	120	14-17	20-24	14-17	14-17	11-14	17-20	11-14	9-11	9-11	8-9	6-7	6-7	8-9	6-7	0-5	0-5	17
13150	56	20-24	14-17	14-17	11-14	11-14	11-14	11-14	9-11	9-11	9-11	7-8	8-9	8-9	6-7	6-7	6-7	30
13733	11	17-20	14-17	11-14	14-17	11-14	11-14	11-14	14-17	11-14	11-14	11-14	11-14	9-11	9-11	7-8	7-8	8-9
14525	93	20-24	11-14	11-14	11-14	11-14	9-11	9-11	8-9	9-11	9-11	7-8	7-8	7-8	5-6	0-5	5-6	30
14972	118	20-24	14-17	11-14	11-14	11-14	9-11	14-17	11-14	11-14	11-14	7-8	7-8	7-8	6-7	0-5	0-5	38
15635	29	17-20	14-17	11-14	11-14	11-14	11-14	11-14	9-11	9-11	8-9	7-8	5-6	5-6	0-5	0-5	0-5	38
15813	26	17-20	14-17	11-14	14-17	11-14	11-14	11-14	11-14	9-11	8-9	7-8	7-8	9-11	6-7	0-5	0-5	38
17000	48	17-20	14-17	28+	11-14	14-17	11-14	11-14	8-9	9-11	9-11	7-8	11-14	9-11	8-9	5-6	8-9	15
17000	111	17-20	11-14	11-14	11-14	11-14	14-17	11-14	9-11	9-11	11-14	7-8	8-9	11-14	8-9	8-9	7-8	15
17340	57	20-24	17-20	11-14	11-14	11-14	11-14	11-14	9-11	9-11	9-11	7-8	8-9	11-14	7-8	5-6	7-8	10
17805	51	20-24	17-20	11-14	11-14	11-14	11-14	11-14	9-11	9-11	7-8	7-8	7-8	7-8	6-7	6-7	6-7	11
18000	109	17-20	14-17	14-17	9-11	9-11	9-11	9-11	9-11	9-11	9-11	7-8	6-7	9-11	9-11	0-5	7-8	15
18196	65	24-28	17-20	11-14	11-14	17-20	14-17	11-14	9-11	11-14	9-11	6-7	8-9	8-9	5-6	0-5	0-5	10
18500	52	17-20	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	9-11	9-11	9-11	7-8	8-9	8-9	10
19372	110	20-24	17-20	14-17	11-14	11-14	14-17	11-14	14-17	11-14	11-14	11-14	11-14	8-9	9-11	6-7	6-7	11
21295	114	17-20	14-17	9-11	17-20	11-14	11-14	11-14	9-11	11-14	11-14	8-9	8-9	8-9	6-7	6-7	6-7	27
23000	74	20-24	14-17	11-14	11-14	11-14	11-14	11-14	9-11	9-11	9-11	8-9	8-9	8-9	5-6	7-8	7-8	20
25582	113	28+	20-24	20-24	17-20	17-20	17-20	17-20	14-17	14-17	14-17	11-14	9-11	8-9	7-8	6-7	7-8	20
27597	4	24-28	20-24	20-24	17-20	17-20	14-17	11-14	14-17	11-14	11-14	9-11	6-7	6-7	5-6	0-5	0-5	27
36826	81	28+	20-24	17-20	20-24	17-20	20-24	14-17	14-17	11-14	11-14	9-11	7-8	7-8	9-11	9-11	9-11	27

WAGE RATES BY TOP LEVEL OF ACADEMIC PROGRAM - MEDICAL  
(WAGE RATES SHOWN IN THOUSANDS)

ENROLL F.T.E.	SCHOOL NUMBER	CHIEF	ASSOC	ASST	PRIN	CONST	CHIEF	UTIL	Maint	CUST	GRNDS	SKILL	UTIL	EQUIP	SKILL	SKILL	SKILL	MARKUP PERCENT
		ADMIN	ADMIN	PLAN	ENGR	ENGRS	SUPT	SUPT	SUPT	FORE	FORE	TRADE	FORE	OPER	TRADE	GARD	LABOR	
282	135	14-17	11-14			7-8	9-11	7-8	6-7	7-8	5-6	7-8	0-5	0-5	0-5	0-5	15	
500	133	17-20	9-11			9-11	9-11	14-17	9-11	9-11	8-9	8-9	8-9	6-7	6-7	6-7	12	
910	80	24-28	14-17	14-17	14-17	14-17	9-11	9-11	8-9	8-9	5-6	6-7	6-7	5-6	5-6	5-6	5-6	
1600	95	17-20	11-14	11-14	17-20	11-14	9-11	9-11	8-9	11-14	7-8	0-5	5-6	5-6	0-5	0-5	0-5	
3147	20	14-17					6-7	11-14	8-9	11-14	7-8	6-7	0-5	5-6	0-5	5-6	30	
4409	30	17-20	14-17	11-14	9-11	11-14	11-14	9-11	9-11	11-14	9-11	9-11	9-11	7-8	6-7	6-7	6-7	
5296	5	20-24	14-17	11-14	14-17	14-17	14-17	11-14	11-14	9-11	11-14	7-8	9-11	9-11	7-8	6-7	6-7	
6070	102	20-24	17-20	14-17	17-20	14-17	11-14	11-14	11-14	9-11	8-9	7-8	8-9	7-8	6-7	5-6	5-6	
7241	44	14-17	14-17			11-14	11-14	11-14	9-11	9-11	9-11	7-8	8-9	7-8	0-5	0-5	18	
7391	9	24-28	9-11	17-20	14-17	14-17	11-14	11-14	9-11	8-9	9-11	9-11	9-11	7-8	6-7	6-7	6-7	
7962	104	17-20	9-11	17-20	14-17	14-17	11-14	11-14	9-11	9-11	11-14	6-7	9-11	9-11	6-7	6-7	42	
8579	45	24-28					17-20	17-20	17-20	14-17	11-14	9-11	9-11	9-11	9-11	8-9	50	
9800	6	17-20	11-14	11-14	11-14	14-17	9-11	9-11	6-7	9-11	7-8	6-7	5-6	6-7	5-6	5-6	5	
10000	43	24-28	20-24			20-24	11-14	11-14	11-14	9-11	9-11	9-11	9-11	9-11	9-11	0-5	0-5	
10076	108	24-28	14-17	11-14	14-17	14-17	11-14	11-14	8-9	7-8	8-9	6-7	9-11	5-6	6-7	6-7	0-5	
11079	8	17-20	14-17	11-14	9-11	14-17	11-14	9-11	9-11	11-14	6-7	11-14	8-9	5-6	5-6	6-7	9	
11762	10	24-28	20-24	14-17	11-14	11-14	11-14	11-14	8-9	8-9	9-11	7-8	8-9	9-11	6-7	6-7	6-7	
12500	59	20-24	14-17	14-17	14-17	14-17	11-14	14-17	9-11	9-11	11-14	9-11	11-14	11-14	6-7	6-7	55	
12591	35	20-24	14-17	14-17	14-17	14-17	14-17	11-14	11-14	9-11	9-11	8-9	8-9	9-11	7-8	6-7	6-7	
14407	50	14-17	20-24	8-9	9-11	11-14	9-11	9-11	7-8	11-14	9-11	9-11	5-6	7-8	6-7	6-7	49	
14913	99	17-20	14-17	14-17	14-17	14-17	14-17	11-14	9-11	11-14	9-11	8-9	7-8	8-9	6-7	0-5	10	
15910	55	14-17	14-17	11-14	11-14	11-14	8-9	11-14	9-11	11-14	6-7	6-7	6-7	6-7	5-6	5-6	25	
17000	54	24-28	17-20	14-17	20-24	17-20	14-17	17-20	14-17	11-14	11-14	8-9	6-7	7-8	6-7	5-6	17	
18271	46	20-24	17-20	11-14	11-14	11-14	11-14	11-14	11-14	9-11	11-14	9-11	9-11	9-11	7-8	0-5	30	
19430	71					20-24	20-24	17-20	17-20	11-14	11-14	8-9	6-7	6-7	5-6	5-6	17	
19502	69	20-24	20-24	17-20		14-17	11-14	14-17	14-17	11-14	11-14	7-8	8-9	8-9	8-9	6-7	55	
20104	72	17-20	11-14	9-11		11-14	11-14	14-17	14-17	11-14	11-14	9-11	7-8	8-9	6-7	5-6	30	
20741	100	17-20	14-17			11-14	11-14	11-14	11-14	11-14	11-14	9-11	7-8	8-9	5-6	5-6	30	
22212	77	20-24	17-20	11-14	11-14	9-11	14-17	11-14	9-11	9-11	6-7	7-8	8-9	7-8	0-5	6-7	30	
22548	128	20-24	14-17	5-11	14-17	11-14	14-17	9-11	11-14	9-11	14-17	17-20	8-9	14-17	8-9	7-8	9-11	
25548	76	20-24	17-20	11-14	14-17	14-17	14-17	14-17	14-17	11-14	14-17	8-9	14-17	7-8	7-8	11-14	15	
29428	78	24-28	17-20	11-14	14-17	14-17	14-17	14-17	14-17	11-14	14-17	7-8	8-9	9-11	7-8	9-11	33	
29500	79	20-24	17-20	17-20	17-20	20-24	14-17	14-17	14-17	11-14	14-17	7-8	11-14	14-17	6-7	9-11	29	
32677	121	20-24	17-20	17-20	14-17	17-20	14-17	17-20	14-17	14-17	14-17	11-14	9-11	6-7	5-6	8-9	45	
39592	82	20-24	14-17	20-24	14-17	14-17	14-17	14-17	14-17	14-17	14-17	14-17	9-11	9-11	8-9	5-6	9-11	

## APPENDIX

January 4, 1971

**COMPARATIVE UNIT COST STUDIES FOR  
MAINTENANCE AND OPERATION OF PHYSICAL  
PLANTS OF UNIVERSITIES AND COLLEGES**

To: APPA MEMBERS

Dear Colleague,

In 1965, the National Standards Committee published results of a survey in which 101 returns were received. At the last annual meeting in Tampa we were directed to survey again and publish results based on recent (1969-70) Operating Data and Cost Experience.

For definitions we urge you to use those adopted by APPA, copies are enclosed; they are intended only as a common base for cost reporting. It should be re-emphasized that the terms and definitions used here do not necessarily imply a mode of operation nor an organizational structure.

Please participate - if your records do not provide answers to all questions, give us all you can conveniently, on or before February 3, 1971. We will convert to data cards, sort, and publish by service category, region, size, etc.

Your comments and suggestions as to how this report can be improved are solicited.

With best regards,

  
APPA Standards Committee  
T. B. Simon, Chairman

January 4, 1971

APPA STANDARDS COMMITTEE  
QUESTIONNAIRE - 1971

A. MAINTENANCE AND OPERATIONS COST

<u>Subdivision</u>	<u>Gross Sq. Ft. Building Area Serviced</u>	<u>Cost per Square Foot (Gross Area) 1969-70</u>
1. Physical Plant Admin. 1.1 & 1.2	_____	_____
2 Building Maintenance 2.1 thru 2.5	_____	_____
3. Custodial Services 3.1 thru 3.6	_____	_____
4. Campus Safety & Employee Training 4.1 thru 4.5	_____	_____
5. Utilities 5.1 thru 5.6	_____	_____
6. Landscape & Grounds Maintenance 6.1 thru 6.9	_____	_____
8. Traffic & Security 8.1 thru 8.6	_____	_____
9. General Services 9.1 thru 9.4	_____	_____
7. Major Repairs and Renovations 7.1 thru 7.4	_____	total dollars

B. CAMPUS AREA

Gross area, acres \_\_\_\_\_

Intensely maintained area, acres \_\_\_\_\_

C. ENROLLMENT DATA (Fall Term or Semester - 1969)

1. Full time equivalent students \_\_\_\_\_

(this figure to be determined by dividing the number of graduate credit hours by 9 and the undergraduate hours by 15.)

January 4, 1971

APPA STANDARDS COMMITTEE  
QUESTIONNAIRE - 1971  
page 2

D. SALARY SURVEY

APPA REGION \_\_\_\_\_

Enrollment F.T.E. \_\_\_\_\_

JOB DESCRIPTION	ANNUAL RATE*										
	XXXX to 5,000	5,000 to 6,000	6,000 to 7,000	7,000 to 8,000	8,000 to 9,000	9,000 to 11,000	11,000 to 14,000	14,000 to 17,000	17,000 to 20,000	20,000 to 24,000	24,000 to 28,000
Chief Physical Plant Admin.											
Associate Admin.											
Assistant Admin.											
Principal Planner											
Principal Constr. Engineer											
Chief Engrs. (Mech, Elec, Civil)											
Utility or Power Plant Supt.											
Shop Supt. (Maint.)											
Custodial Supt.											
Grounds Supt.											
Skilled Trades Foreman											
Custodial Foreman											
Power Plant Equip. Operators											
Skilled Tradesmen (Plumber, Elec, etc.)											
Skilled Gardeners											
Custodians											
Skilled Labor											

\* Direct payroll cost - without retirement and similar fringe benefit costs.

Do you bill fringe and overhead cost to other Departments? YES \_\_\_\_ NO \_\_\_\_

If YES, percent mark up \_\_\_\_\_.

January 4, 1971

APPA STANDARDS COMMITTEE  
QUESTIONNAIRE - 1971  
page 3

University Name \_\_\_\_\_

Location \_\_\_\_\_

APPA Region \_\_\_\_\_

Programs: (Please check all that apply to your school)

2 year ( )                  4 year ( )

graduate ( )                  medical ( )

Comments regarding this type of survey: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Do you object to being identified in published survey results? YES \_\_\_\_ NO \_\_\_\_  
(No institution will be identified if they object).

Signed: \_\_\_\_\_

Title: \_\_\_\_\_

NOTE: Please keep 1 copy and return one completed  
copy promptly (on or before February 3, 1971) to:

T. B. Simon  
Director of Physical Plant  
Michigan State University  
East Lansing, Michigan 48823

ASSOCIATION OF PHYSICAL PLANT ADMINISTRATORS  
CLASSIFICATION OF ACCOUNTS  
MAY, 1970

MAJOR ACCOUNTS

1. Physical Plant Administration
2. Building Maintenance
3. Custodial Services
4. Campus Safety and Employee Training
5. Utilities
6. Landscape and Grounds Maintenance
7. Major Repairs and Renovations
8. Traffic and Security
9. General Services

OUTLINE OF COSTS TO BE INCLUDED UNDER EACH MAJOR ACCOUNT

1. Physical Plant Administration

All activities necessary to carry out the duties of management and administration for all areas under the jurisdiction of the Physical Plant Division are included. Examples of the activities are:

1.1 Administration

Salaries, wages, employee benefits, travel, equipment, and other operating costs required for:

Administrator.  
Assistant Administrators.  
Office personnel including account keeping done by the Physical Plant Department such as payroll, billing, material ordering, personnel records, and dispatching of work orders.  
Other administrative operating costs including supplies, materials, pro rata share of telephones, postage, computer rental, accounting machine costs, and career training programs.

1.2 Engineering normally includes:

Salaries, wages, employee benefits, travel, equipment, and other costs required to provide technical and engineering services necessary to effectively carry out the functions assigned and funded in the Physical Plant Division. Includes staff personnel such as engineers, architects, draftsmen, estima-

## 1.2 Engineering - (Cont'd)

tors, schedulers; and preparation of documents for contractual maintenance and renovations; also includes analysis of systems and modes of operation, plant records, etc. Preparation of architectural and engineering plans and specifications for the alterations and new construction are normally funded from other sources.

## 2. Building Maintenance

Building Maintenance includes all items related to routine repair of buildings, structures, and utility distribution systems, including normal recurring repairs and preventive maintenance. Does not include cost of service for which reimbursement is received from other sources such as auxiliary enterprises, new construction, alterations, etc. Include the following:

### 2.1 Interior and exterior of buildings

- 2.2.1 Plumbing, heating, air conditioning, and ventilation,
- 2.2.2 Electrical repairs of all types including primary and secondary systems, and certain lamp replacements and maintenance of outdoor lighting fixtures, (Does not include energy costs.)
- 2.2.3 Carpentry and cabinet making.
- 2.2.4 Painting and glazing,
- 2.2.5 Hardware, locks, keys, closers, and records,
- 2.2.6 Roofing and sheet metal work, including downspouts and gutters,
- 2.2.7 Welding and necessary machine work,
- 2.2.8 Elevators and other building machinery,
- 2.2.9 Miscellaneous building repairs such as tuck-pointing, blinds, etc.,
- 2.3 Maintenance of classroom and laboratory furniture and equipment within the building not inventoried to a department.
- 2.4 Maintenance of utility distribution systems inside the building. Electrical, heating, process steam, water lines, gas lines and sewer lines (both storm and sanitary).

- 2.5 Operating and replacement costs of all equipment and material and tools used in connection with building maintenance excluding hand tools furnished by the employees.

### 3. Custodial Services

Includes all costs related to custodial services in building interiors. Does not include auxiliary enterprise buildings.

- 3.1 Salaries, wages and employee benefits of custodians, supervision, and services required for cleaning of building interiors.
- 3.2 Small set-ups only where materials for the special set-ups are stored or kept within the same building.
- 3.3 Snow removal on building steps + 5 feet of sidewalk in each direction.
- 3.4 Other operating costs such as paper, paper towels and tissue, wax, erasers, chalk, cleaners, and other materials and supplies.
- 3.5 Operating and replacement costs of all equipment used in connection with custodial services and certain lamp replacement.
- 3.6 Elevator operation on non-automatic equipment.

Common operations include: Mopping, sweeping, waxing of floors (sanding and refinishing of floors are excluded); dusting, polishing of furniture and fixtures such as venetian blinds, partitions, pictures, maps, radiators, etc.; cleaning of chalkboards, chalk trays, erasers, and replacement of chalk; washing and dusting of walls; cleaning and disinfecting commodes and urinals; cleaning and washing other fixtures, walls and partitions, and replenishing supplies for restrooms; the emptying and cleaning of waste receptacles; dusting and cleaning of windows and other glass surfaces; sweeping and cleaning of entrances; and opening and/or closing building, doors and windows.

The custodian is not a personal servant, messenger, mailman or laboratory assistant for the faculty or students. Generally, services requiring technical direction at the time of performances such as cleaning chemistry laboratory bench tops, decontaminating radioactive facilities, or cleaning of extremely delicate apparatus are not classified as custodial, but are usually provided by the department having specific jurisdiction.

### 4. Campus Safety and Employee Training

Includes all cost of fire prevention and fire protection, accident prevention, and employee training programs.

- 4.1 Salaries, materials, travel, and equipment costs of campus fire department.
- 4.2 Cost of audio-visual aids, demonstration devices and materials for campus-wide training in fire prevention, evacuation drills, and accident prevention.

- 4.3 Maintenance of fire sprinkler systems, alarms, fire extinguishers, first aid equipment, and other protective devices.
- 4.4 Purchase of monitoring and measuring devices required to insure good industrial hygiene and safe handling of radioactive wastes and dangerous materials.
- 4.5 Procurement or preparation of literature, posters, books, and printed matter used in training.

## 5. Utilities

Utility services include all costs for energy for heating, cooling, light and power, gas, water, and any other utilities necessary for the operation of the Physical Plant and normally includes:

- 5.1 Payroll costs of all supervisory and operating personnel in connection with utilities.
- 5.2 Operation and maintenance of heating and power plant equipment including water plant and sewage disposal plants.
- 5.3 Operation and maintenance of equipment in central air conditioning plant.
- 5.4 Contractual costs for purchase of electricity, water, and sewage treatment.
- 5.5 Operation and replacement costs of all equipment used in connection with production of utilities.
- 5.6 Maintenance of utility tunnels, outdoor distribution systems for electricity, gas, steam, compressed air, chilled water, and high temperature water, domestic water, sanitary and storm drains. The expense does not include open ditch drainage.

## 6. Landscape and Grounds Maintenance

Grounds maintenance includes operation and maintenance of campus landscape and grounds. Report in relationship to your total gross area of Physical Plant buildings, and also in relationship to ground area in acres. Exclude areas not intensively maintained by the Physical Plant budget and/or other areas for which the Physical Plant is reimbursed.

- 6.1 Salaries, wages, and employee benefits of all supervisory and operating personnel in connection with grounds,
- 6.2 All areas of the main campus maintained. Growing things as trees, grass, shrubs, flowers, nursery stock including seeds, fertilizers, and plant materials.
- 6.3 Maintenance of roads and walks, parking areas, irrigation systems, signs, etc.

- 6.4 Snow removal,
  - 6.5 Maintenance of golf course, athletic practice fields, and stadium varsity fields. (Costs are normally excluded from Physical Plant budgets.)
  - 6.6 Maintenance of Physical Education, Intramural, and R.O.T.C. drill fields,
  - 6.7 Maintenance of open ditch drainage, fences, retaining walls and rip rap,
  - 6.8 Care of miscellaneous fixed equipment such as benches, shelter houses, etc.,
  - 6.9 Operation and replacement costs of all equipment used in connection with grounds maintenance.
7. Major Repairs and Renovations (Special Line Items)
- Major repairs and rehabilitation includes all costs for major non-recurring repairs, major deferred maintenance items. Major projects are those costing in excess of \$10,000.
- 7.1 Cost of salaries of supervisory and operating personnel connected with major repairs and renovation projects,
  - 7.2 Line item special allotments and essentially large improvement items,
  - 7.3 Replacement costs of all equipment used in connection with major repairs and renovations,
  - 7.4 Costs related to planning, design, or administration of major repairs and renovations.

8. Traffic and Security

Traffic and security includes all costs for watchmen, police services related to plant and campus security, and vehicle control.

- 8.1 Salaries of all supervisory and operating personnel in connection with traffic and security.
- 8.2 Patrol of campus and school areas including exterior of buildings by campus police.
  - 8.2.1 Patrol vehicles, radio communications cost, uniforms, and police equipment including radar,

- 8.2.2 Office operation. Registration of cars, collection of fees and fines, including accounting records,
- 8.3 Watchmen for building interiors on a route system.
  - 8.3.1 Uniforms and clocks,
  - 8.3.2 Operating and maintenance of vehicles used in watch service.
- 8.4 Other operating costs such as car identification stickers, office supplies and equipment.
- 8.5 Parking control such as vehicle operated gates, and parking meters, and traffic control lights and attendants.
- 8.6 Closed circuit TV monitors, burglar alarm, etc.

#### 9. General Services

General Services in which Physical Plant divisions have primary jurisdiction at some universities are:

- 9.1 Purchasing and receiving and stores for supplies and equipment for the entire campus,
- 9.2 Garbage and trash disposal,
- 9.3 Hauling, moving, and storing of furniture for other departments,
- 9.4 Property insurance.

## FLOOR AREA DEFINITIONS APPA ADOPTED STANDARDS

### GROSS AREA

As defined in the U. S. Department of Health, Education, and Welfare Bulletin No. OE 51004-12, "Function then relates to assignable area plus unassignable area (restrooms, corridors, stairs, wall and partition thickness, and the like), equal gross area." Gross area, therefore, is defined as the area of each floor level included within the principal outside faces of exterior walls, neglecting architectural setbacks and projections. All stories or space which have floor surfaces that can be adapted to use are included.

### NET AREA

"The net area is the sum of all measurable floor space with a head room of 6'6" or more." This includes every room, toilet, corridor, stairway, and closet in the building. It does not include pipe spaces, tunnels, duct spaces, unfinished attic spaces, or basement spaces. Include in a room the floor area of closets, alcoves, built-in cabinets, and shelving which open into and serve the room. Do not deduct the area of columns, door swing, or other obstructions unless they represent a significant loss of floor space.

### RECORDING TECHNIQUE (assignable area)

This may be defined by different terms in different areas. This is the floor area assignable to an operating department. Assignable floor area of the building is the sum of the floor areas of the individual rooms assigned to agencies housed in the building excluding those agencies concerned only with the maintenance and operation of the building services and the building itself and excluding floor space devoted to those building services. Excluded are corridors, stairways, toilet rooms, janitor closets, mechanical rooms, transformer rooms, loading docks, utility shafts, etc. This figure actually represents the building space actually housing an academic program.